

1489

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 agttattttta ttgatcaact gaataaatat acataaatgt tacttttctt ttctttactt 120  
 tattttttttt tccccattcc agatcctggg tgtttggctg acctacagat acaggaacca 180  
 gaaagacccc cgcgcgaatc ctagtgcatt cctttgatga gaaaacaagg aagatttcct 240  
 ttcgtatttat gatcttggtc actttctgta attttctggt aagctccatt tgccagttta 300  
 aggaaggaaa cactatctgg aaaagtacct tattgatagt ggaattatat atttttactc 360  
 tatgtttctc tacatgtttt tttctttccg ttgctgaaaa atatttgaaa cttgtgggtc 420  
 ctgaagctcg gtggcacctg gnaattaatg ggattcaatg gccggcactn gnccttggg 480  
 ccttnttaag catttttacc tggcaaaaaa actttgggtg ggacccctgg ggttgggtta 540  
 atatggggaa atctgaacgt anaattttta ctgggaataa ataatatgaa ccctgggctg 600  
 gggaaaangg tcctactggn aaaaaganng ggaaattatt aaatcagaa n 651

<210> 2220  
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1490

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1491

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1492

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<220>  
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 <222> (531)  
 <223> n equals a,t,g, or c

<220>  
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 gacgcaccgg aaattccgca aggtggcagt ccagccncct gctcangatt ccggcctaac 180  
 ccggagctga cggaggcnct gaccaccagc ttcgtgcgga ggctgttctg gggtagccng 240  
 ggcgcgngaa ctccgctcgc tgaanctttg agaactncca gcgcatacctc naggatccct 300  
 gtctcagcgc ctgngagcct gaccgctgaa naggcncngac aacctttcttc gtaccncggg 360  
 acccccaggt ttttgcgaat ccngaataa ancnnngggag tcgtcacngg ctctcgcgc 420  
 ctcaagggtg aaatcntggc ctgtgcctcc caaaacaaag tggggaaccc agtctcggtc 480  
 acctgggaac atggtgaaca tgtgaatgca anatctgggn atcggaagnc ngaattncaa 540  
 atgtgactcc acctcttgtg aagccgtga 569

<210> 2221  
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 <212> DNA  
 <213> Homo sapiens

<220>



## 1493

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

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tgacaggcag gcgcccactg tcccaggcca caggggctgt ggtctccagg cctgtgactt 120  
ggcagggggcc tctgcgacgc agcttttagcg aggacaccct gatggatggc ccagctcgga 180  
tagagcctat cagggcaagg aagtggagca acagtcagcc tgcagatttg gcacatatgg 240  
ggcagtcaag agaagacccc gctgggatgg aagcctccac catgcccata tctgccttgc 300  
cccgaacgag cagttgaccc cgggtgttgc gaaggccctt gctccctggg aacttggtgc 360  
cgacaagtct cagggcctnc gatgggcaac ttaagccnan gcaccancga ancc 414

<210> 2222  
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<212> DNA  
<213> Homo sapiens

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<222> (360)  
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<220>  
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<222> (367)

1494

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (542)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (560)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2222

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gcctccggga cttggaacgc cccggctggg tgggtgtccgg gcgtcctttc cccgcttctt 60
cccacctcgg ctggtcccggt ttctctcctgc gccagtgcg gacctgtctc ggcgcccget 120
gccctctcac cgccccacgc aggatccccg cctggtcacc gggcagtgng atgcttccccg 180
actgccgcgg ggacagcgag gcacacacag ggcttggggc gcgccggagg ccacacggcc 240
tggctgagtt gctcctgggtc tcccgcctct cccaggcgac ccggaggtag catttcccag 300
gaggcacggt cccccccagg gggatgggca cagccacgcc agatggacga gaagaccaan 360
aaagcanagg aaatggccct gagcctcacc cgagcagtg cgggcgggga tgaacagggtg 420
gcaatgaagt gtgccatctg gctggcagag caacgggtgc ccctgagtg gcaactgaag 480
cctgaggtct cccaacgca ggacatcaga ttctcatgg ngcaaaatgg ccattccagc 540
tncatccagc catnacantn acagggagga a 571

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&lt;210&gt; 2223

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 1495

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<220>  
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<222> (224)  
<223> n equals a,t,g, or c

<220>  
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<222> (261)  
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<400> 2223  
atntaattcc catcctaaac ccctttgnaa tacgcctcac tatagggaaa gctgggtacgc 60  
ctgcagggtac cgggtccggaa ttcccggggtc gacccacgcg tncggccant aagcaagctg 120

## 1496

```
gacaaaagaa gaaacaagga catgaccnaa aggctgctgn caaagctgcc ttaatatata 180
cctgcactgt ctgtaggaca canatgncag accctaanac cttnaagcag cactttgaga 240
gcaagcatcc taagactcca nt 262
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<210> 2224

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (305)

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gtaaataaca gatgcgggtg aaagatccaa ctaaagcttt acctgagaaa gccaaaagaa 60
gtaaaaggcc tactgtacct catgatgaag actcttcaga tgatattgct gtaggtttta 120
cttgccaaca tgtaagtcac gctatcagcg tgaatcatgt aaagagagca atagctgaga 180
atctgtggtc agtttgctca gaatgtttta aagaaagagg attctatgat gggcagctag 240
tacttacttc tgatatttgg ttgtgcctca agtgtggctt ccagggatgt ggtaaaaact 300
caganagcca acattcatt 319
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<210> 2225

<211> 462

<212> DNA

<213> Homo sapiens

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<222> (333)

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<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

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<221> misc feature

<222> (428)

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<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

1497

<220>  
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 <222> (461)  
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 agctttttcat cctactataa aggaggattt gaacagaaaa tgagtaggcg agaagctggt 120  
 cttatttttag gtgtaagccc atctgctggc aaggctaaga ttagaacagc tcataggaga 180  
 gtcattgattt tgaatcacc agataaagggt ggatctcctt acgtagcagc caaaataaat 240  
 gaagcaaaag acttgctaga aacaaccacc aaacattgat gcttaaggac cacactgaag 300  
 gaaaaaaaa gaggggactt cgaaaaaaaa aanaaaaggcg cggccgctct agaggatcca 360  
 agcttacgta cgcggtgcatg cgacgtcata gctcttctat agcggcacct anattaattc 420  
 actgcncnnc gttttacaac gtccgactgg aaaaaccct ng 462

<210> 2226  
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 <212> DNA  
 <213> Homo sapiens

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 <222> (7)  
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<220>  
 <221> misc feature  
 <222> (18)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (33)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (457)  
 <223> n equals a,t,g, or c

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 taanggnaca aagctggngc tccaccgcgg tgnccggccgc tctagaacta gtggatcccc 60  
 cgggctgcag gaattcggca cgaggaggag agcatgaatg agagtcattc tcgcaagtgt 120  
 gcagagtctt ttgagatgtg ggatgatcgt gactcccaact gtaggcgccc taagtgtgaa 180  
 gggcatcccc ctgagtcttg gaagtggatc cttgcaccgg tcattcttta tatctgtgaa 240

## 1498

```

aggatcctcc gggttttaccg ctcccagcag aagggttgta ttaccaaggt tgttatgcac 300
ccatccaaag ttttggaatt gcagatgaac aagcgtggct tcagcatgga agtggggcag 360
tatatctttg ttaattgccc ctcaatctct ctccctggga tggcatcctt ttactttgac 420
ctctgctcca gaggaagatt tcttcttcat tcatatncga gcagcagggg acttgacaga 480
aaatctataa ggg                                         493

```

&lt;210&gt; 2227

&lt;211&gt; 520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2227

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gtcnnngac agtgacngta cngtattccc gggtcgaccc acgcgtccgg taaaattctg 60
ggctctggta tcagttcctc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa 120
gtgatgtaac atctgtcaaa gatgcaaaaa tagcagtgtg ctcttgctct tttgatggca 180
tgataacaga aactaaggga acagtgttga taaagactgc tgaagaattg atgaatttta 240
gtaagggaga agaaaacctc atggatgcac aagtcaaagc tattgctgat actggtgcaa 300
atgtcgtagt aacaggtggc aaagtggcag acatggctct tcattatgca aataaatata 360
atatcatgtt agtgaggcta aactcaaaat gggatctccg aagactttgt aaaactgttg 420
gtgctacagc tcttcctaga ttgacacctc ctgtccttga agaaatggga cactgtgaca 480
gtgtttactc tccagaagtt tggagatact caggtggttg                                         520

```

&lt;210&gt; 2228

&lt;211&gt; 538

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1499

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<222> (16)  
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<222> (17)  
<223> n equals a,t,g, or c

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<222> (18)  
<223> n equals a,t,g, or c

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<222> (91)  
<223> n equals a,t,g, or c

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<222> (183)  
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<220>  
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<220>  
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<220>  
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<222> (477)  
<223> n equals a,t,g, or c

<220>  
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<222> (489)  
<223> n equals a,t,g, or c

<220>  
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<222> (537)  
<223> n equals a,t,g, or c

<220>  
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<222> (538)  
<223> n equals a,t,g, or c

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tggcccaaaag gggtttaacc cccgggggtt ncccccgggg aaaaattttt cccccggggg 120  
gggttnccgn aacccccaaa cggnccegtt tccccggggc ccgggggggn aaccggaac 180  
cgnttttgga aaaaagcccc caattggggg cccccgggct ttaccctgtt cccaaaggga 240  
aactttttcc ccaaccccc aagaacttg gttttggggg ttcttgaacc cgggcttncc 300  
aaccaaaaca agggtttgcc ccaangctta gtcacaagtt acccgcggtg tacttacaat 360  
tgccggggcc caaggatgaa gaccangact acatctggac cactcattgc atctacctgt 420  
aacctgacgg ctttacggat actacggcga caatcgctac agattaacat gtcgngnaca 480  
tgcggttcna tgctgcttac cactgatctg cccatattaa cggctggtta aaaaaann 538



## 1501

<210> 2229  
<211> 554  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (549)  
<223> n equals a,t,g, or c

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gcgcgcgggtt cgcacttttcc aggttttcttc cccaggggaac agagcttgag cgggggggcca 60  
cccccccgctc ctaccggagt tctgagggtgc ggtcaggcgc ggagagcgga cgcccagcgc 120  
cagattctgt gggctccgga gttcaggccc actgagccgc agctgagcac aggcgggggca 180  
ggaaaaagga tgagggtgagg gaaggcgctg ggttcctgga accccaaggg agcactgagc 240  
tgagtaagtt ngttcctgtc aattgggaac cccctcaacc acttccattc cccaaatacc 300  
tgcgctgcta ccgatgcctc ttggagacca aggagttagg gtgccttctg ggatctgaca 360  
tctgcctcac cccagctggc agcagctgca tcaactctcca caaaaagaac agcagcgggt 420  
ctgacgtcat ggtgagtgc tgccgaagta aggagcagat gagtgattgt tcaaataccc 480  
gaacttctcc ggtgtctggc ttctggatat tctctcaata ctgcttctg gatttctgca 540  
atgaccctna aaac 554

<210> 2230  
<211> 266  
<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
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<222> (233)  
<223> n equals a,t,g, or c

1502

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

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agttttatat tccggaggta gaaggcgtag aacagggttat ggatgatgaa tcagatgaaa 120  
aagaagcaaa ctcaccttaa aataatctgg attttctttg ggcataacan acagacttgt 180  
tgatnatata tatcaagttt ttattattaa tatgcntgag gaacttgaag atnaataaaa 240  
tatgctcttc atanaatgat atttct 266

<210> 2231  
<211> 295  
<212> DNA  
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<220>  
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<222> (39)  
<223> n equals a,t,g, or c

<220>  
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<222> (189)  
<223> n equals a,t,g, or c

<220>  
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<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)

## 1503

<223> n equals a,t,g, or c

<400> 2231

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gttcagctcc aaaagccccct gccacacctg gggcacagnt ggcacctgat gtgagactgc 60
tctatgtgct agccattgcc gcgcttggtg gcctctgcct cctcctggcc tcctccctcc 120
tctatgtggc ctgtctgcgg gaaggcagac gagggcgccg acggaaatac tctctgggtc 180
gggccaacnc gggcaggagg atctgcggtg caactgcatg acagtcttaa gccantgtcc 240
tgnanaggaa gatgaggggtg atgatgaagg gggcttnggg gccttgaagg gcaan      295
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<210> 2232

<211> 484

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (483)

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<400> 2232

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cagatgtgtc tacgtgcgct ctgccattca actcggaac tataagtaat tctcaagaaa 120
gccctcattt ttataacctg gcaaaatcct gttaatgtca ttgctaaaaa ataaataaaa 180
gctagatact ggaaacctaa ctgcaatgtg gatgtttttac ccacatgact tattatgcat 240
aaagccaaat ttccagttta agtaattgcc tacaataaaa agaaattttg cctgccattt 300
tcagaatcat cttttgaagc tttctgttga tgttaactga gctactagag atattcttat 360
```

## 1504

ttcactaaat gtaaaatttg gagtaaatat atatgncaat atttagtaaa gcttttcttt 420  
ttaaatttcc aggaaaaaaaaa taaaagagta ttgaagnctt ctgnaattca ttnagcaagt 480  
agnt 484

<210> 2233

<211> 508

<212> DNA

<213> Homo sapiens

<220>

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1505

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1506

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1507

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<220>  
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1508

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<220>  
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<220>  
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<222> (500)  
<223> n equals a,t,g, or c

<220>



1509

<221> misc feature  
<222> (505)  
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<400> 2233  
aatcggcac gagcaagtgc cttgaaacag tatttnagga gtcttccaga gcctctnatg 60  
acctatgagt tacatggaga tttcattgtt ccagccaaaa gcggcagccc agaactcngt 120  
gttaatgcga tccatttctt ggtacacaaa ctgccagaga agaataaaga gatgttggat 180  
atthttggtga aacacttaac aaatgtttna aatnactcca agcagaaccn gangactgtg 240  
gcaaaacttag gagtgggtgtt tggaccaact ctgatgaggc cacaggaaga aactgtngct 300  
gccctnatgg actttgaaagt ttcagantat tggtgtggga aatcttaatt ggaaaaccag 360  
gaaaaggttt tttnggncgn nccngnnat taaattnnnn gngnccanct ncttntaaa 420  
gnatnanccc gnaantgggg ncagcaaggn nanttgngng ngtnaagggc cagngncca 480  
gggggnccgn ggncgnttnn aaatnttt 508

<210> 2234  
<211> 467  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<400> 2234  
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cagctggttt gagcaactga actggaaaaca agatgcagga ccccaacgca gacactgaat 120  
ggaatgacat cttacgcaaa aagggtatct tcccccccaa ggaaagtctg aaagaatttg 180  
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240  
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300  
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360  
aattcggaga agtttttgag atctcangga aggattatgt tcaagaagtt accaaagctg 420  
gcgagggtct gtnggtcatc ttgcaccttt acaaccaagg aattccc 467

<210> 2235  
<211> 476  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>

## 1510

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<220>  
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<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<220>  
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<222> (460)  
<223> n equals a,t,g, or c

<400> 2235  
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ttcaataactt ttccattatt tttcctcttt tttatagagc taatgtcaaa ccccgaaatt 120  
ccacaccacc tagtttggca agaaatcctg ccccgagggtg gcttacaaac aaaagaaaaa 180  
catatactga gagctacata gccaggccag atgggggactg tgcattcttc cttaatgggtg 240  
gaaatatttaa aggcatgtga ggacattcac ctggaaaactt accaaaattc tgccatgagt 300  
gtgggactaa atacctgtga gaatnggcc aatttttgctn tgaatgtggc attcgaagaa 360  
tgattctatg aatagaatct caaaaaaaaaa aaaaaaaaaa caagttcaaa agtttatgat 420  
tattgntgnt tggncagct anaacacatc cttaattaan tttgggctaa aaatct 476

<210> 2236  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (408)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1511

<222> (413)  
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<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
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<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (512)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (513)  
<223> n equals a,t,g, or c

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gcggctaagt cccggcagcg ggaacaccga gagegaacca gcctggcttt cgaaaacatc 120  
tgggcctgtt ggagaaaaag aaagattaca aacttcgtgc agatgactac cgaaaaaaac 180  
aggaatacct cagagctctc cggaagaagg ctcttgaaaa aaatccagat gaattctact 240  
acaaaatgac tcgggttaaa ctccaggatg gattccacgt tattgaagga gactgaaggg 300  
aggaagtgaa ctgccagaac aactggaaac tgatgagaac ccagggtgtc caaatatgat 360  
gagaaatgga aaagggtttg ccgggaactg aaggaaaatt ggaaaganga aantccgagn 420

## 1512

tcccnctgg ctgggatttt cccgggggaa gccngccgga tgaagccatg tggtnntntt 480  
tttggaccac ccaaaaaggg aagttggagc cnnttggatg ttggcca 527

<210> 2237  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
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<222> (102)  
<223> n equals a,t,g, or c

<220>  
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<222> (106)  
<223> n equals a,t,g, or c

<220>  
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<222> (116)  
<223> n equals a,t,g, or c

<220>  
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<222> (158)  
<223> n equals a,t,g, or c

<220>  
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<222> (181)  
<223> n equals a,t,g, or c

<220>  
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<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)

1513

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<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2237

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gaatgacttt atgggaatca cgctcgcttc tagccaggct gtcagcaacg ccaggaanct 60
ggagtggcca ctgacggaag ttgcataang tgtttttgaa ancgangccc cgggangata 120
taagttctat ttgcaaaatc gcagtctgcc tcagtcanat cctgtattaa aagttactct 180
ngcagtgtct gatcttcaaa aatccttgaa ctactggtgt tatctactgg gaatgaaaat 240
ttatgaaaaa tattataaaa gctatcgggc ttgcttgggc tttctgaaaa acccttggtta 300
anctggancn acaggcntca aggggtggggt gaaacatncc cc 342
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<210> 2238

<211> 429

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (33)

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<222> (34)

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<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

## 1514

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<220>  
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<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
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<222> (346)  
<223> n equals a,t,g, or c

<220>  
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<222> (358)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (416)  
<223> n equals a,t,g, or c

<220>  
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<222> (423)  
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<400> 2238  
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ccctgcaggt accggtccgg aattccccggg tcgacccacg cgtccgtgga gctgaatgag 120  
ttgctcctgg acaaaaaacca ggagccccag tggcggggaga cagctcgctg gatcaaat 180  
gaagaagacg tggatgaaga tgcccatgat tcagaggcca aagtggcgag cctgagagga 240  
atggagttac aggggtgctc cagcactcag gttgaatcan aaaataacca anaagaacag 300  
aacaggtgc gcttaccaga aagccgtctg acaccatggg aggtgngggt tatttggcnta 360  
gaaaaagaag aacgtgaccg gctgcatctg aaagctntag aggaattaaa tcaacnctag 420  
aanaaagaa 429

<210> 2239  
<211> 205

1515

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (157)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (196)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2239

```
gcccacgcgt cgcgccacgc gttcgggaaa atgagtacca ggcgtncagc gttcccccca 60
cccgctgct aataaaggag ccttccaagc gtgtggggca ttttcgtgga ctacagaatt 120
ggaaagcatn ttctttttaca atgtgaaaag caagatncca catttataca ttngncagat 180
ggtttttttt ttgggnccct ttaaa                                     205
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&lt;210&gt; 2240

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1516

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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (257)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (258)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (259)  
 <223> n equals a,t,g, or c

<400> 2240  
 aattcaatga agcgcgggta aacggggggg agtaactatg actctcttaa ggtagccaaa 60  
 tgcctcgta tctaattagt gacgcgcatg aatggatgaa cgagattccc actgtcccta 120  
 cctactatcc agcgaaacca cagccaaggg aacgggcttg gcggaatcag cggggaaaga 180  
 agaccctgtt gagcttgact ctagtctggc acggtgaaga gacatgagaa ggtgtaaata 240  
 aagtgggang cccncnnnc cccc 265

<210> 2241  
 <211> 483  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (1)  
 <223> n equals a,t,g, or c

<400> 2241  
 naccaccctc actaaggga caaaagctgg agctccaccg cggtgacgac cgctctagaa 60  
 ctagtggatc cccggggtg caggaattcg gcagagcaaa accaatggta ggaaatgttt 120  
 ttagggaatt gggctaattg atagcaatgc agtgatagga tcttaaaata acagtgacaa 180  
 ggtcgtagtg tttaactgtc agataaatgg caaggtcaaa gtggcagtcg ggaggagtta 240  
 cttgaggaga tcagtggagt tggttaatat aaaataatat tcttaagggc aagatagatg 300  
 ggcagctaac aaggctatat cttgaacaat ataattgaaa gaaattatta aaaaacgggt 360  
 gattaagagg caaagtgcaa ctacacaaat taaaaaagcg ttatcccttg actagtttct 420  
 gatcctgagc cagtgccttag gcctagaacc cattgatcaa aaaaagaggt tgaatgtaca 480  
 gga 483



1517

<210> 2242  
 <211> 552  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (6)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (9)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (238)  
 <223> n equals a,t,g, or c

<400> 2242  
 ggcnagnacna accctcacta aaggggaacaa aagctggagc tccaccgcgg tgacggccgc 60  
 tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggggtata caggaaatgg 120  
 ataatactgt aacaatctgc agctgtctca tatgttatat aaagaatgaa ctcataacag 180  
 tgagaaaagg gtatgtagtg cctttatgaa tactaaaaaa ataggtcaaa ttcctggnat 240  
 atgtatgact tggttttatt ataattatga aaccctttaa cctattattc ttttaaatac 300  
 aagcagaaat acaagacatt gccattacca gttagcttta atagactcaa gaaacaaaat 360  
 agtctcttaa gttttatgta agtgataaaa taaactaaga gttcctcata gatataatac 420  
 ttgaaaaaat gtttctagtt agtgacgggtg gaataaaaatc attttcttac tctcttctct 480  
 tgaatgccaa tgaaaagaaa atcaaacaaa agatagaaaa tgtcaatttc aaagacacaa 540  
 acaatcaaac aa 552

<210> 2243  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

1518

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<400> 2243  
ancntgncac cnaaccctca ctaaagggaa caaaagctgg agctccaccg cgggtgcngtc 60  
cgctctagaa ctagtgatc ccccgggctg caggaattcg gcacgttcgg cacgagcaaa 120  
agatacaaac ttagtatctc caggcattga acagcaggct ttccaggact gtcattccttg 180  
agaaaatgga gatacatgag gtgagcccca cgcttctccc acctttctgc tcagctttct 240  
gcgacagagc acgttccccg tgcagcaca gtggagctgc agtatcagaa cctaaggagg 300  
cagagagtgg aattctgggt tgctggcatg actggaatat ttgctagaga ggaggaactg 360  
ctccaagaag ttctagaagt ctctggacat tcaaaactagg tcctgagAAC tgtatatctt 420  
aaatgcttgc attggaactg ttttaaacca atgatctcaa gtctttgtct taagttagaa 480  
aaagaagggc aaattaaacg ccaagttaat agaaggaata aaatagcaca 530

<210> 2244  
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<212> DNA  
<213> Homo sapiens

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1519

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cgcggtggcg gccgctctag aactagtgga tccccgggc tgcaggaatt cggcacgagc 120  
gctnagccgt cccttctcgn catgtcccag agcangcacc gcgcccaggn cccgccgctg 180  
gaacgcgagg acagnnggac 200

<210> 2245  
<211> 127  
<212> DNA  
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1520

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tgggcgcgtcgt tttaacaant cgtgactggg aaaacccana caccnctcct tctttntang 120  
gccccct 127

<210> 2246  
<211> 229  
<212> DNA  
<213> Homo sapiens

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1521

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ggcacgaggg gggggccggt acccaattcg cctatatgtg agtcgtatta caattcactg 180  
gccgtcgttt nacaacgtcg tgactgggaa aaccaanga ntnganatt 229

<210> 2247  
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<212> DNA  
<213> Homo sapiens

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## 1522

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<220>  
<221> misc feature  
<222> (107)  
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<400> 2247  
gctcgtgccg aagggggggcc cggtacccaa ttcgccctat ngtgagtcgt attaccaattc 60  
actggccgctc gttttacaac gtcgtgactg ggaaaaaaccc annncctct c 111

<210> 2248  
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<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

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gccgtcgttt taaacgtcgt gactgggcc naaaannnn 99

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<212> DNA

## 1523

<213> Homo sapiens

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<220>

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<222> (162)

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<222> (164)

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<400> 2249

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actagtgggg gcccggtacc caattcgccc tatagtggagt cgtattacaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggaaaac ccaantcnnt tntnc 165
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<210> 2250

<211> 573

<212> DNA

<213> Homo sapiens

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1524

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1525

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<220>

1526

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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature

1527

&lt;222&gt; (558)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2250

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ggtggnggtc gttctncaac tagtggatcc cccgggctgc aggaattcgg tacgagccag 120
agaccanccc atgaagagtg gtgggtggtt tattcactgg aaatggtgcg ttmntgctnn 180
ccnaaaacnc acgttnactt cngaggaatg atgggcaaat ctggtctncn tggntgaaac 240
ccttnttttc ccntagatgc tttaaccttn gttgggtttcg gctntagggg tcatagtcnc 300
ttctgttccc ttctccattc tgganaagga cttcccctac atacaccctg attncttgtn 360
gctgtgggga ttggacgtaa cattcaaaga tcntatgtgc tttcctcact tcggatataa 420
acactctggg ttttacagca atnancgtgc taaccttcat ngnganaaat aaaacatctc 480
tcttctactc ctgctgtttc atgcgccact cctttggggg ctttntcaat ttgttgaact 540
cctancttcn ttccctanaa atttccangt acc 573

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&lt;210&gt; 2251

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2251

## 1528

gcgggcacgag cgggcacgagg gggggcccggtacccaattc gccctatant gagtcgtatt 60  
acaattcact ggccgtcggtt ttacaacgtc ntgactggga aaccnnaaaa nn 112

<210> 2252

<211> 247

<212> DNA

<213> Homo sapiens

<220>

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<222> (243)

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<221> misc feature

<222> (244)

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<220>

<221> misc feature

<222> (247)

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<400> 2252

gggggggggg gttgggttaat tatttccctc ttcaaaatta accctccnct aaaaggaaca 60  
aaagctggag ctccaccgcg gtggcggcgg ctctagaact agtggatccc ccgggctgca 120  
ggaattcggc acgagcggca cgagcggcac gagggggggc ccggtacca attcgcccta 180  
tagtgagtcg tattacaatt cactggccgt cgttttataa cgtcgtgata ccccnnaaaa 240  
aannttn 247

<210> 2253

<211> 103

<212> DNA

<213> Homo sapiens

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<222> (39)

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<220>

1529

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<220>  
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<223> n equals a,t,g, or c

<400> 2253  
gcggcacgag ggggggcccg gtacccaatt cgccctatng tgagtcgtat tacaattcac 60  
tggccgctcgt tttaacaacgt cgtgactggg aaaacnnaaa tnn 103

<210> 2254  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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## 1530

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acaattcact ggccgctcggtt ttacaacgctc gtgactggga aaaccaant n 111

<210> 2255

<211> 187

<212> DNA

<213> Homo sapiens

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1531

<220>  
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taaggggaana tttggngccn ctccaccaaa aagtggcggt ttgctctaga actagtggat 60  
cccccggtt gcaggaatcc ngcagagcg ganacgaggg ggggcccgt acccanttcg 120  
ccctatagtg agtcgtntta caattcactg gncgtcgttt tacaacgtcg tgactgggaa 180  
aacccan 187

<210> 2256  
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1532

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<220>  
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ggcgtttcgct ctagaactag tggatccccc gggctgcagg aatccggnac gagcgnaann 120  
aggggggggcc cggttcccaa ttcggcctat attna 155

<210> 2257  
<211> 125  
<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (110)  
<223> n equals a,t,g, or c

<220>  
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<222> (116)  
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<220>



## 1533

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<220>  
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tggccgtcgt ttacaacgt cttgactggg aaaacccaaa tnnntttctn tgttnttctn 120  
ttncc 125

<210> 2258  
<211> 112  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<222> (107)  
<223> n equals a,t,g, or c

<220>  
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<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<400> 2258  
gcggcacnag cggcacnagg gggggcccgc tacccaattc gccctatant gagtcgtatt 60

## 1534

acaattcact ggccgctcgtt ttacaacgtc gtgactggga aaaccnaaa nn

112

&lt;210&gt; 2259

&lt;211&gt; 120

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2259

ancggcacga ncggcacgag ggggggcccc gtacccaatt cgccctatan tgagtcgtat 60  
tacaattcac tggccgctcgt ttacaacgt cgtgactggg aaaacccaaa nnntttccn 120

&lt;210&gt; 2260

&lt;211&gt; 197

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1535

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<220>  
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<220>  
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<220>  
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<400> 2260

## 1536

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tcccccgggc tgcaggaatt cggcacgagt ggcccnaggg ggggcccggg accctcttcn 120  
ncnttttagtg agtcgtatta caattcnctg gccgtcgttt tacaacgtcg tgnctgggaa 180  
aaccatggtt tggtgac 197

<210> 2261

<211> 242

<212> DNA

<213> Homo sapiens

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<220>

1537

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<220>  
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ggagctccac cgcggtggcg gacgctctag nactagtgga tcccccgggc tgcaggaatt 120  
cggcacgagc ggcacgaggg ggggcccggg acccaattcg ccctatagtg agtcgtatta 180  
caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccacagca nnaganangg 240  
gc 242

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1538

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<220>  
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acctggagct ccaccgcggt ggcggccgct ctagaactag tggatccccc gggctgcagg 120  
aattcggcac gagggtnatn nantc 145

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<220>

1539

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 tcgatatcaa gcttatcgat accgtngacc tcgagggggg gcccggtacc caattcgccc 120  
 tatagtgagt cgtattacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 180  
 cctggcggtta cccaacttaa tcgccttgca gcacaatccc cctttngcca gcttggagta 240  
 ataagcgaag aggcccgcac cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa 300  
 tgggacgcgc cctgtagcgn tgcattaagc gcgnnggtgn gntgggttacc cgcagtgtga 360  
 ccgctacact tgc 373

<210> 2264  
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1540

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<222> (11)

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<400> 2264

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gccgctctag aactagtggg tccccgggc tgcaggaatt cggcacgaga tttccaggta 120
gattttctcag ccagctctaa aacagattgc tttttcagtg gccttactct ttgtgggttt 180
tttttttttt ctctgaactt gatataaaga ttttatttgt cccttgaaaa agtaacaaat 240
gtgcatagat caatttgtac tactttgggc attggatatt tctgatacctt attgcattgt 300
acctaaagga gagtaactaa tggtaacctt tttaatagag tatgtgaaag gtagtggctg 360
atgaatcctt aacgttcata gggctctttt gctgttacgg ttgtatatag aggtctggaa 420
ggatttttaa aatg 434
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<210> 2265

<211> 375

<212> DNA

<213> Homo sapiens

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<220>

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<222> (24)

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<220>

<221> misc feature

<222> (35)

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<220>

<221> misc feature

<222> (63)

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<220>

<221> misc feature

<222> (77)

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<220>

<221> misc feature

<222> (160)

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1541

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<220>  
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<220>  
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<222> (238)  
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<220>  
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1542

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<220>  
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<222> (349)  
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tcnagaacta ggggatnccc cgggctgcag gaattcgata tcaagcttat cgataccgtc 120  
gacctcgagg gggggcccgg tacccaattc gccctatagn gagtcgnatt acaattcact 180  
ggcgcgtcgg ttacaacgnc gagactggga aaaccctggc gntacccaac ttaatcgncn 240  
tgnaggacat ccccttttcg ncagntggcg taatagcgaa gagggcccga ccgancgcct 300  
tccaacagnt gcgcagcctg aatggcgaaat gggacgcgcc ctgtacggng cattaagccg 360  
cggcgggtgt ggnng 375

<210> 2266  
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<213> Homo sapiens

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<220>  
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1543

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<222> (434)  
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<222> (439)  
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<222> (461)

1544

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (473)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2266

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agcctgcagg ctgaagatgt ggcagcttat tctgtcagc aatattatag ttttcctttc 120
actttcggcc ctgggaccaa agtggatata aaacgaactg tggtcgcacc atctgtcttc 180
atcttccccgc catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 240
aataactttct atcccagnga ggccaaagta cagtggaagg tggataacgn cctccaatcg 300
ggtaactncc aggagagtgt cacagagcag gacagcaagg acaganc tac agcctcagca 360
gcacctgacg gtgagcaaa cagatncggg gaacacaagt ttaggcttcg agtcancnt 420
cagggctnag ntgnccgtna aaagngttta acagggnggt ntngagggga gtnccactg 480
ttcttattca gctnaccct 499

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&lt;210&gt; 2267

&lt;211&gt; 504

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (159)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2267

```

gtgaaaatca ccagagtggg ggctgaggat gttgggggttt attattactg catgcaagct 60
ctacaaactc cattcacttt cggccctggg accaaagtgg atatcaaacg aactgtggct 120

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## 1545

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gcaccatctg tcttcatctt cccgccatct gatgagcant tgaaatctgg aactgcctct 180
gttgtgtgcc tgctgaataa cttctatccc agagaggcca aagtacagtg gaaggtggat 240
aacgccctcc aatcggttaa ctcccaggag agtgtcacag agcaggacag caaggacagc 300
acctacagcc tcagcagcac cctgacgctg agcaaagcag actacgagaa acacaaagtc 360
tacgcctgcg aagtcaccca tcagggcctg agctcgcccc tcacaaagag cttcaacagg 420
ggagagtgtt agagggagaa gtggcccccac ctgctnctca gtttcagcct gaccccttcc 480
atnctttggc ctctgacctt tttc 504
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<210> 2268

<211> 695

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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<222> (326)

1546

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<222> (346)

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<220>

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<222> (436)

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1547

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1548

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 ctctgcgttt atggaataca actgaagttg ctccagcact aantgtattt aatgatacta 180  
 aagaactggg aatccctgcc tctgtggatc tantgagcan tgacccgagc catatngtat 240  
 catcattcag caagggatat acaaacattt ttaacatgga aacacaacaa cgcattctca 300  
 ctttanaatc caatgtaata caacanccaa ctcttcctgc caaatnaatt nnantcatca 360  
 ntctcctact cttccgatca acatcctgct ccttaaaaaa ngcnatccaa ttctatnata 420  
 acnattccgg caaatnatcc ctccatggtn ccccccttaa actntttcaa ttttaacctt 480  
 ttaaccccag ggccttacct tnanattttg gcncccaaa aatttcnnna cnttttttgg 540  
 aacccccaaa ttttaaaatt ttttcccaa aaatccccc nccccnnaa aaatttttta 600  
 aaaaaacanc ccccnatttt ttttttncce ccccccaaa tttttttttc cccttttttg 660  
 gaacnaaacc ccgggnaat tttttttttt ttaac 695

<210> 2269  
 <211> 583



1549

<212> DNA  
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<220>  
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<223> n equals a,t,g, or c

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<220>  
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<222> (462)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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ggaagcggtc tcgttggccc tgcggcgctg gacgcttgac gcacggagct cgagagcgag 120

## 1550

aacgggagag aaaggggtag aaatggcggc tccgctcggc tcccgtgag gagggcgaag 180  
ccggcggagt gtctgtgctg ccggtctgca gcaccgcccc cgttccccgc acgccgctg 240  
ctcacgccga cttcccttcc tctgcccggc tctctcttgt gctcgtctgc gctccgcacg 300  
ctccgggccg gctcgtctct cattgcccgg ctcggctccg ctggccctga ctgaccggcc 360  
ggcggggccg ccttgcctcg tcttccgggc gggcggtgga ctccgtcccc tggetggacc 420  
atggtgaaca cccggaagaa ctctnttcgc ttctcgggtn cnagtcttct ggccccggcc 480  
tggcctgggg cccggaacan aacctggggc gaccgangca canncattta tctctttgga 540  
cccgctctcaa aaccggccgc agtgcccgcg ccaaaccggg gna 583

<210> 2270

<211> 518

<212> DNA

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<220>

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<222> (106)

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<221> misc feature

1551

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1552

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<220>

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<220>

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<220>

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<222> (313)

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<220>

<221> misc feature

<222> (324)

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<220>

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<222> (326)

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<220>

<221> misc feature

<222> (331)

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<220>

<221> misc feature

<222> (337)

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<220>

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<222> (352)

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<220>

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<222> (362)

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<220>

<221> misc feature

<222> (363)

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1553

<220>  
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<220>  
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<222> (401)  
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<220>  
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<220>  
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<220>  
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<220>  
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## 1554

&lt;400&gt; 2270

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gcctgagggc tgacaangan aagctgcnc c atcaagagcg aacacaancc ctgcgccaag 60
cacctgtggg ccanggetac ttccacctgc tggatcacia angccnggct cncctgcnaag 120
ctgacttccg gggccactgg gtgctgatat tctttggctt cactcactgc cctgacatct 180
gcccacaaca actggaaaaa ctngtgcaag tngtncgaga gctgnaaaca aanctgggtt 240
tcctccagtn cacctgtctt catcactggt gaccccaacn ggatnacttt aacctgncc 300
nctacttcaa ganttccacc ccanantggt nggtetnacc ggctcccaa anatgttgcc 360
cnngctaata ccattnccgc ttttnttcaa ttcnnggcc ncgatnaagg aacatgaata 420
ctcttgaaca tcctttgctc tactctcacc cttanggetc ttcccgatta tacgnccgaa 480
caatcggtna acaatnttna ctttttcggg ggaaatgg 518
```

&lt;210&gt; 2271

&lt;211&gt; 184

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (142)

&lt;223&gt; n equals a,t,g, or c

## 1555

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<220>  
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<222> (175)  
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<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<400> 2271  
ggacttnant tctntggaat gcatngaattg gcagngacgc attggccctg cccttggcct 60  
gcattgatga cgagatggac tgtgagcctc agggccccgc ncctggccca gctctccgat 120  
gtggccatgc acagcctggg tntggctttc atctatganc agactgacga catcnnggat 180  
gttc 184

<210> 2272  
<211> 681  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (82)  
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<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
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<222> (99)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
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<222> (123)  
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1556

<220>  
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<220>  
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<222> (147)  
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<220>  
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<222> (152)  
<223> n equals a,t,g, or c

<220>  
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<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (254)  
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<220>  
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<222> (279)  
<223> n equals a,t,g, or c

<220>  
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<222> (289)  
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<220>



1557

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<222> (353)  
<223> n equals a,t,g, or c

<220>  
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<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (374)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<220>  
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<222> (406)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
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<222> (427)  
<223> n equals a,t,g, or c

<220>  
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<222> (440)  
<223> n equals a,t,g, or c

<220>  
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1558

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<220>  
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<222> (442)  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (466)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>  
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<222> (486)  
<223> n equals a,t,g, or c

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<222> (487)  
<223> n equals a,t,g, or c

<220>  
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<222> (492)  
<223> n equals a,t,g, or c

<220>  
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<222> (506)  
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<220>  
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1559

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<220>

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<220>

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<222> (527)

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<221> misc feature

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<220>

<221> misc feature

<222> (609)

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<220>

<221> misc feature

<222> (636)

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<220>

<221> misc feature

<222> (650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<400> 2272

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tggatgaatg cgccccgagg tnatgtctca caaanagtnc tccgcnccca gacatggggtc 120
ccnngcttc ctgcctcggg agcgancac cnggnntcgt ggggaagggtga anatcttccc 180
taaggatgac ccatccaagc cgggccacct cacatccttc ctgggataca aggctggcat 240
gactcacatc gtgnggggaag tcgacaggcc gggatccang gtgaacaana aggagggtggt 300
ggaggcngtn accattgtng agacaccacc catggtggtt gtgggcattg tngcnacat 360
gaaaaccctc cgangcctcc ggaccttcan tactgtcttt gctgancaca tcagtgatga 420
atgcannagg cgtttctatn nnaattggcn ttcattctaat aacaangcct ttaccatnta 480
```

## 1560

```

ctgcannaaa tngcaggatn aggatngcna gaagcngctg ggagaangac ttcagcagca 540
tgaaaaaata tgcccagtca tccgtgtcat tgcccacanc caggattcgc ctgcttcctc 600
tgcgccagna aaaaaggcca cctgatggaa catccnggtg aaccgaaggc ggtggtggcc 660
ganaaactng gacttggggc c 681

```

<210> 2273

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<400> 2273

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ggcagagnca gatatccatg tgtggaagct ctgagtcact gaatagcaaa gaaaaatatg 60
aaagcaagag gaattgcttt cacatctaga aaatgttgca agataatctg aaatcttctg 120
gtgctggtga atgcatgaag aggttcacag tatcttttaa agtacttctg gaaaagataa 180
ggagtthtaa aggtgggtgt gtacactggg cactgagctg cagtaggatt tttccttggg 240
atagtctggt ctggagctgg gacacagctg cnctttgggg aaaggccgc tngcaagatg 300
attggaagna attctccctt attggtaggc ctntgacggc cctntttttc agcca 355

```

<210> 2274

<211> 100

<212> DNA

1561

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (58)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2274

gggattccca aagctgacat cacgtgggag ttaccggata aggnngcatct gaaggcangg 60  
gttcaggctc gtntgtatgg aaacanattt cttnaccccc 100

&lt;210&gt; 2275

&lt;211&gt; 446

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

1562

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<220>  
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<222> (55)  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (213)  
<223> n equals a,t,g, or c

<220>  
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<222> (223)  
<223> n equals a,t,g, or c

<220>  
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<222> (247)  
<223> n equals a,t,g, or c

<220>  
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<222> (253)  
<223> n equals a,t,g, or c

<220>  
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<222> (279)  
<223> n equals a,t,g, or c

<220>

## 1563

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<223> n equals a,t,g, or c

<220>  
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<222> (296)  
<223> n equals a,t,g, or c

<220>  
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<222> (304)  
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<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
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<222> (371)  
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<222> (380)  
<223> n equals a,t,g, or c

<220>  
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<222> (395)  
<223> n equals a,t,g, or c

<220>  
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<222> (411)  
<223> n equals a,t,g, or c

<220>  
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<222> (426)  
<223> n equals a,t,g, or c

<400> 2275  
ggcaaagntn tnaataccac tatgcatggc ttattgtncg ccaccaaata aacantatac 60  
cacagctatt taatatgtat ttcaacacta taccacacgc tatataatgt gtatttcagc 120  
aaatatacca caactattta atgtgtattt cancantata ccacaactat gtgatgtgta 180  
tttcaacaat atgccacagc tntttaatat gtntttcaaa atnacacgca gtccttgctt 240  
tgcatantaa tgntgaaacc ataagaaatc accataactnc tgagactcta canaancagt 300  
gttnnatcat cagtgaaagg aaattattat tctgtcacct ttacattttt atgtaaaaat 360

## 1564

```
attgaaaact ncaataatcn actataaaag gttcnaatta agaaaaaatt naagaatata 420
tataangttc atattattca tacctc 446
```

<210> 2276

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 2276

```
tttttctgtc aagctgttct ttatttcagg gagagggcag gggaggggct cagtctttct 60
tggcagcagc ttctctcatg gcggccagta cgttgctcag ctctctccgc ttctctttgg 120
cgcggatgtg cgtccccacc cttttcttga taaatttgag ggcccgtttg tccttggaga 180
ccttcagtaa ctccatggcg cgccgctcgt acggggcaaa gccacacacc tcccgaatca 240
tgtcccgcac gaacttggtg tgtttggtca gacgcccgcg gcgtcgggct gtgcctgggg 300
cttgctcaag ttcttggtca ctttgtggnc cttgttgaag gccacgggc ataagggtag 360
cgtaagggcc aatggctgct gctctccaaa aaacggcccg ggggggcccgg taaccaaata 420
gncctaana g tgaagtcgga tt 442
```

<210> 2277

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)



1565

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

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<220>

<221> misc feature

<222> (79)

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<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

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<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

1566

<220>  
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<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
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<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<400> 2277  
aattcggcac agnctgaagc aggcgctctn ngctcggcgc ggcccncctgn caatccgtgg 60  
aggaacgcgc cnccgagcna ccatcatgcc tgggcacttt gaggnaggtt tcggetgtnt 120  
ggtncaccaa ccgattcgnc canttannta acgacgtttc ggaccccttc gaggggtgctg 180  
aaggnagtca gagaacangt aaaaagaagc cgggcggggg tcggcgtttg ngggccctgg 240  
ngtcaagttg cgcac 255

<210> 2278  
<211> 335  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<400> 2278  
ttttagancc tggctcagga tgaacgctag ctacaggctt aacacatgca agtcgagggg 60  
catcaggaag aaagcttgct ttctttgctg ggcaccggcg caccgggtgag taacacgtat 120

## 1567

```

ccaacctacc ctttactcgg ggatagcctt tcgaaagaaa gattaatacc cgatgggata 180
atcattccgc atggtctgat tattaaagga ttccggtaaa ggatggggat gcgttccatt 240
aggttggttg tgaggtaacg gccaccaag ccttcgatgg ataggggttc tgagaggaag 300
gtccccaca ttggaactga gacacggtcc aaact 335

```

<210> 2279

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 2279

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gtggagcaca annaaaagcc atcttggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcatgatct tgtggatagc tgtgtcccgg gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa ggttctcgaa ataagaatga 240
caagtgtatg ttccttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300

```

## 1568

aacaaagagt tctgaggatg ggtgtaagca tggaatggtg atggagttct cacttaaaga 360  
ccttttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420  
gctttgccct gtcatttttg gtcatgaagc agcgtgcaat gttgccccac gtggcgtgta 480  
tgnttgtggt aacaccacga ccacctttgg tctgacggta actctttcaa aagatagntn 540  
ctntgganaa tttgcttttg gaacttgggtg cccctgg 577

<210> 2280

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

## 1569

&lt;400&gt; 2280

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gttgacgcgt gggctgctng gggcttaagc ggagggagtc gagccagcgt cgccgcgatg 60
gtgttggttg agagcgagca gttcctgacg gagctgacca gacttttcca gaagtgccgg 120
acgtcgggca gcgtctatat caccttgaag aagtatgacg gtcgaaccaa acccattcca 180
aagaaaggta ctgnggaaaag gctttgagcc cgcagacaac aagngtctgt taagagctac 240
cgatgggaag aagaagatca gcactgtggt gagctccaag gaagtgaata agtttcagan 300
ggcttattca aacctcctta gagctaacat ggatgggntg aagaanagag acaantagaa 360
caaaactnag aa 372
```

&lt;210&gt; 2281

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (116)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (300)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (374)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1570

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2281

```
ggcacgaaaa cttctccaga gttgtccttt attaagtttc tttacagaaa ctttaattgg 60
tgccatgaat tcttgtgggg gaaagaatca taagagccat caactttttn cctttnattt 120
tagcatattc caagccctgc caagaaagta ccaagactcc ctgccacagc agcagaacct 180
gaaagcagct gtcattagta atggggaaca ttaagatact ctgtgaagggt gcaagacttc 240
aggggtggggg gggcatgggg tgggggtatg ggnaacattg gaggatggga tatctggggn 300
taatttttaa ggtttacctg ttatgtaatt tttaatgggn actnggcatg gggcccgggt 360
tgcttttccg ggtnccttngg gaaa 384
```

&lt;210&gt; 2282

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (454)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (519)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (520)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (533)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2282

```
ggtggagggt catgtcgagg tttaatgcat tcaaaaggac taataccata ctgcaccatt 60
tgagaatgtc caagcacaca gatgcagcag aagagggtgct attggaaaaa aaagggttgcg 120
cgggagtcac aacactaaac agaccaaagt tcctcaatgc actgactctt aatatgattc 180
```

## 1571

```
ggcagattta tccacagcta aagaagtggg aacaagatcc tgaaactttc ctgatcatta 240
taaaggggagc aggaggaaag gctttctgtg ccgggggtga tatcagagtg atctcggaag 300
ctgaaaaggc aaaacagaag atagctccag ttttcttcag agaagaatat atgctgaata 360
atgctgttgg ttcttgccag aaaccttatg ttgcacttat tcatggaatt acaatgggtg 420
ggggagttgg tctctnagtc catgggcaat ttcnagtggc tacagaaaaa gtgtcttttt 480
gctatgccag aaactgcaat aggactggtc ccttgatggn gggtggangg ttnttt 536
```

<210> 2283

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 2283

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aattcggcag agctgatagt gagcggcaga atcaggagta ccagcggctc atggacatca 60
agtcgcggct ggagcaggag attgccatct accgcagcct gctcgaggga caggaagatc 120
actcacaaca atttgtttgc ctncaaggtc ctctgaggca gcaggctctg gggcttctgc 180
tgtccttttg aggggtgtct ctgggtagag ggatgggaag gaagggaccc ttacccccgg 240
ctcttctcct gacctgcaa taaaatttat ggtccaaggg aggaaggaaa aaaaaaaaaa 300
an 302
```

<210> 2284

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

1572

<221> misc feature  
 <222> (66)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (74)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (611)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (620)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (635)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (652)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (654)  
 <223> n equals a,t,g, or c

<400> 2284  
 cactcactat ttnggcnaag ctggtnccgcc tgcaggtacc ggtccggaat tcccgggtcg 60  
 acccangcgt ccgnccgagc agaaccggaa ggatgctgaa gcctgggttca ccagccggac 120  
 tgaagaattg aaccgggagg tcgctggcca cacggagcag ctccagatga gcaggtccga 180  
 ggttactgac ctgcggcgca cccttcaggg tcttgagatt gagctgcagt cacagctgag 240  
 catgaaagct gccttggaag acacactggc agaaacggag gcgcgcctttg gagcccagct 300  
 ggcgcataatc caggcgctga tcagcgggat tgaagcccag ctgggcgatg tgcgagctga 360  
 tagtgagcgg cagaatcagg agtaccagcg gctcatggac atcaagtcgc ggctggagca 420  
 ggagattgcc acctaccgca gcctgctcga gggacaggaa gatcactaca acaatttgtc 480  
 tgccctccaag gtcctctgag gcagcaggct ctggggcttc tgctgtcctt tggaggggtgt 540  
 ctttctgggt agagggatgg gaaggaaggg acccttacct ccgggtcttc tcctgacctg 600  
 gcaataaaaa ntatatggtt caaagggaaa aaaanaaaaa aagggcggcc gntnta 656

<210> 2285  
 <211> 602  
 <212> DNA  
 <213> Homo sapiens



1573

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
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<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (546)  
<223> n equals a,t,g, or c

<220>  
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<222> (550)  
<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature  
<222> (569)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (601)  
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1574

&lt;400&gt; 2285

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gacaagntag aaacttggag agaggtgtat ctccaggact cctttaaac gcttgtctgc 60
atttctccta atgccagctt gtttgatgct gtctcttcat taattcggaa caagatccac 120
aggctgccag ttattgaccc agaatcaggc aatactttgt acatcctcac ccacaagcgc 180
attctgaagt tcttcaaatt gtttatcact gagttcccca agccagagtt catgtccaag 240
tctntggaaa aactaccana ttggnaccta tgccaatatt gctatggntc gactaccacc 300
cccgtctatg tggtctctggg gatttttgta cagcagcgag tctcagccct gccagtgggtg 360
gatgagaagg ggcgtgtggt ggacatctac tccaagtttg atgttatcaa tctggcagca 420
gaaaagacct acaacaacct agatgtatct gtgactaaag ccttgcaaca tcgatcacat 480
tactttgagg gtgttctcaa gtgctacctg catgagactt ggagaccatc attaacaggc 540
tagtgnaaan cagaaggtta acnacttgna atgggtggatg aaaatgatgt ggtcaaggga 600
nt 602
```

&lt;210&gt; 2286

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (128)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (134)

1575

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (177)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

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1576

<220>  
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<220>  
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 <222> (439)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (442)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<400> 2286  
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 tccacggagt ccntgcaggc caacgtgcag ngntgaagg agtaccgctc caaactnatc 120  
 ctcttcgnca ggangccctc ggcccccaag aaggagagaca gttctgctga agaactnaga 180  
 actgggccac ccagctgacc ggaccggtca tgcccggtccg gaaacgtctt atnaagaagg 240  
 aggaaagctt cgagtgcatt cacttttaggn aaggagaaaag gaattttcaa aaggcctttc 300  
 ggtttagttct tccgttattg gcccgtgtc ccaaagnncc cgggnttttt ttgggnatt 360  
 aagggggcaa aaaaaggngc ccaaaggnaa ggccgnaaga aaccaggttt ttttgaaaan 420  
 gggaaaaaaa tttaaaggnc cntttcttgg gggnttttgg ggtatt 466

<210> 2287  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (2)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (7)  
 <223> n equals a,t,g, or c

1577

<220>  
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<222> (10)  
<223> n equals a,t,g, or c

<220>  
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<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
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<222> (56)  
<223> n equals a,t,g, or c

<220>  
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<222> (80)  
<223> n equals a,t,g, or c

<220>

1578

<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
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<222> (91)  
<223> n equals a,t,g, or c

<220>  
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<222> (92)  
<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
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<222> (129)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (172)  
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<220>  
<221> misc feature

1579

<222> (175)  
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<220>  
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<222> (188)  
<223> n equals a,t,g, or c

<220>  
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<222> (204)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (217)  
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<220>  
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<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
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<222> (260)  
<223> n equals a,t,g, or c

<220>  
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<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)

1580

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (340)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (359)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (388)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2287

```

anttngnaan aggaaggaan gnaganntn ttggcccggg ccgagangaa ggttgntgga 60
aaaggggccg tcccaacgan angaccacct nnccttcgag nagggngtta acaccgtaac 120
caccttggnn gagnacacgg gaaaatctca tctggtggtg nttcacacac gncngtatac 180
cccatggngc tggttgtttt cttncctncc ctgtgtngta aaatgggggn cccttactgc 240
attatcaagg gaaaggnaan attggcgacg tattngtcca caggaagcnc ctgcaccatt 300
gtgcgtcttn acacaggtgt tctcgggacg nncaaaggtn ttttttgatt aagttggtng 360
gtanttatga ggatccattt acattgtna 389

```

&lt;210&gt; 2288

&lt;211&gt; 501

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c



1581

<220>  
 <221> misc feature  
 <222> (277)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (447)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (460)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (477)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (489)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (492)  
 <223> n equals a,t,g, or c

<400> 2288  
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 aagacagggc gacctggaag tccaactact tccttaagat catccaacta ttggatgatt 120  
 atccgaaaatg tttcattgtg ggagcagaca atgtgggctc caagcagatg cagcagatcc 180  
 cgcattgtccc ttgcggggaa ggcttgtggt gctgatgggc aagaacacca tgatgccgca 240  
 aggn catttc gagggcacct ggaaaacaac ccagctntgg agaaactgct gcctcatatc 300  
 cgggggaatg tgggctttgt gttcaccaag gaggacctca cttgagatca gggacatgtt 360  
 gcttggccaa taagggtgcca gcttgctgcc gtgctggtgc cattgccccca tgtgaaagtc 420  
 actgtgccag ccagaacact ggtcttnggg ccccaaaaan acctcctttt tcaaggnttt 480  
 aaggattcnc cncttaaaat t 501

<210> 2289  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (61)  
 <223> n equals a,t,g, or c

1582

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
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<222> (259)  
<223> n equals a,t,g, or c

<220>

1583

<221> misc feature  
<222> (264)  
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<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<400> 2289  
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ngagatcact gccctggcac ccagcacaat gaagatcaag atcattgctc ctcctgancg 120  
caagttctcc gtgtgggatc ggngggntcc atcctggnc tgcgtgtccac cttccaacag 180  
atttngatca gcaagcanga attntgaana aattccgggc ccctcccatc cgtccacccg 240  
caaattgctt ccttanggng ggantaatga nttaattttg cgtttacaac ccttttcctt 300  
tgaaaaaaaa ccttaacttt gncgcc 326

<210> 2290  
<211> 284  
<212> DNA  
<213> Homo sapiens

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<220>  
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1584

<220>  
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<222> (254)  
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<220>  
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<220>  
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<220>  
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cctgcttctc ttgtccgcta gtgtgacccc ccagccaagg gctgccaggg cctctttcac 120  
tatggacttt gtgttctgcc attcaggcac ctgcggaact cgagtcatgc aggagctttt 180  
gtgatcgtga cggaagaagc cattgccaaag gggatccgga ggaattgtgg cntgtcacaa 240  
gtgccgaggc ccanaanggg tgaaccaggn tnaagcctgg gatt 284

<210> 2291  
<211> 336  
<212> DNA  
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<220>  
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<220>  
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<220>  
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<220>  
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1585

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<220>

<221> misc feature

<222> (328)

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<220>

<221> misc feature

<222> (331)

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<400> 2291

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acctccggga gcatctggct accctggaaa cccaggactt cccggaattc ctggccaaga 120
cggccccgcca ggccccccag gtattccagg atgcaatggc acaaaggggg agagagggcc 180
gctcgggcct cctggcttgc ctggtttcgc tggaaatccc ggaccaccag gcttaccagg 240
gatgaagggt gatccangtg agatacttgg ccatgtgccc gggatgctgt tgaaaggtga 300
aagaagattt ccggaatncc anggactnca ngccca 336
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<210> 2292

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (239)

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<220>

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<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

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<222> (266)

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<220>

<221> misc feature

<222> (270)

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<400> 2292

## 1586

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ggctgaagga aatagcaaat tcacctacac agttctggag gatgggttgca cgaaacacac 120
tggggaatgg agcaaaacag tctttgaata tcgaacacgc aaggctgtga gactacctat 180
tgtagatatt gcacctatg acattggtgg tcctgatcaa gaatttggtg tggacgttnn 240
ccctgattct ctttatnaac caaacnctan c 271
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<210> 2293

<211> 237

<212> DNA

<213> Homo sapiens

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<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

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<220>

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<222> (80)

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<221> misc feature

<222> (175)

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<220>

<221> misc feature

<222> (195)

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<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

1587

<220>  
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<222> (211)  
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<220>  
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<222> (216)  
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cgaaggcttc acaaactggn cgagtcctgt gtcttggaac tggaactcca aagacgtggg 120  
gcctcatngg gatttggttg gtgaattggg aacagctctc cggaagagga acatncgcta 180  
tggactatac cactnactct tagagtggtn ncactnactc tatctacttg ataagaa 237

<210> 2294  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (334)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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1588

<220>  
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<222> (387)  
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<220>  
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<222> (416)  
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atgccttata gctaccactc ctcccttggc cagctgaact tcaccgggtc tgtgatatat 120  
gaggcccgagg acgtctactc aggtgacatc atcagtggcc tccgagatga aaccaacttc 180  
acagtgatca tcaacccttc aggggtagtg atgtgggtacc tgtatcccat caagaactgg 240  
agatgtccca gcagtgagga actgggacat gtgacaggct gtggtggcac cactgagcct 300  
agancatgga nccttggcat gcccgaggga agtngggaag ttctctgctc cccaggctgc 360  
tcngtnactg acccatcatc ccaaanncat ctcacggcca gtctttcctt ccaacntaaa 420  
cctcttgaaa tctttgggca tttcctgtgg ctccctggctc t 461

<210> 2295  
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<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (96)  
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<220>



1589

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<220>  
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<220>  
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<222> (195)  
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<220>  
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<222> (199)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (272)  
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<220>  
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<222> (427)  
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## 1590

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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (537)  
<223> n equals a,t,g, or c

<400> 2295  
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cactcctnat atcgggcaat cgggggtttca aaaaantgcc tctcgggaat tgacgtccgc 120  
tatttgcact tcctggaagg aacccgggac tatgactggc tggaaccact gcttntnaat 180  
cagacggtga tgtcnatana cctnttctgg ttcaggcaca gaccccagga aagcttttcg 240  
ggaagccctg ctcatagaca ggtacctgtt gntgcaccca gactttctcc gatacatgaa 300  
caacaggtta cttgatgtct aaacacctgn attgtgcccc ctggaatgat ataccgcccc 360  
accactggng ccctcctgct gctcactgac cttccactct ttttaccaag ttagttgctt 420  
tttgntncat cnctnanggc catgagcgct tttcctgatc actactatta tacatcatng 480  
aaaccgctga atnttncata aaccatgact tccaacttga naaaaaaatt cttgaancg 539

<210> 2296  
<211> 302

## 1591

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 2296

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ctgacccct tcataggnac cagaagctcc aggaagaaaa acataaaagc ataactgagg 120
cacttaggag acaggagcag aatataaaga gttttgagga gacctatgac cgaaagctca 180
agaatgaact tctaaacttc cacaggctgc atggtgtctg cctggctttg ggaatcctca 240
tatgactttg gcagggtgtg gngtttgag gctcttcggc acaggagtgc ttctatttcc 300
tt                                     302
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<210> 2297

<211> 484

<212> DNA

<213> Homo sapiens

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<220>

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<222> (198)

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<220>

<221> misc feature

<222> (226)

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<222> (288)

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<220>

<221> misc feature

<222> (361)

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1592

<220>  
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 <222> (362)  
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<220>  
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 <222> (414)  
 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (440)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (480)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (484)  
 <223> n equals a,t,g, or c

<400> 2297  
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 gtgggacaga ccagacagtg ggtgtgctct ccaaccctac atactacatg agcaacgata 120  
 ttccctatac tttccaccaa gacaacaatt tctgtacct atgtggattc caagagcctg 180  
 atagcattct tgtnccttnag agcctccctg gcaaacaatt accatnacac aaagccatac 240  
 tttttgtgcc tcggcgagat cccagtcgag aactttggga tgggtccgnga tctggcactg 300  
 atggagcaat aagctctaac tggagtagac gaagcctata cgctagaaga atttcaacat 360  
 nntgtaccaa aaatgaaagc tgagacgaac atgggtttggt attgactgga tgangtcctc 420  
 acatggcaca ngttttactn ttgactatat tgcagccctt tgactgaggc caaagtcaan 480  
 agcn 484

<210> 2298  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

1593

<220>  
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<222> (304)  
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<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
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<222> (407)  
<223> n equals a,t,g, or c

<220>  
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<222> (408)  
<223> n equals a,t,g, or c

<220>  
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<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<400> 2298  
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ggagaagctg gccaagcacg agtcccagca agactactcc aaaggattcg gcgggaagta 120  
tgggggtgcag aaggatcggg tggataagaa tgcgtcaacc tttgaggatg tcacccaggt 180  
gtcctctgcc taccagaaga cagtacctgt cgaagctgtg accagcaaaa caagtaacat 240  
cagagctaac tttgaaaacc tcgctaagga gaaagagcag gaggacaggc ggaaggcgga 300  
ngcngagaga gcccaacgga tggccaagga acggcaggaa caggaagagg ccaggaagaa 360  
acttgganga acaagccaga gccaaaacgc aaacgcccc tgtgttnncc ggaccttaag 420  
ccaaccnang gaaaagct 438

<210> 2299  
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<212> DNA  
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<220>

1594

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<220>  
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 <222> (446)  
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<220>  
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 <222> (453)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (454)  
 <223> n equals a,t,g, or c

<220>  
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<220>  
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 <222> (478)  
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 ggctccagcc gggccttcag ctacaccgag gtggaagagt gcggctgcat gggccggcgc 120  
 tgccctgcgc cgggcgacac ccagcactcg gaggaggcgg aacccgagcc cagccaggag 180  
 gcagagagtg ggagctggga gagaggcgtc ccagtgtccc ccatgcactg accagcactg 240  
 ncgccctcct gacctccaag gagaacctcc catatgtcct ctgagctcgg cttcaaggcc 300  
 agtggaaactt gtgccccgtt ccangcggct gcaagctttg aacacactgt cacgccccgt 360  
 ttcttgtgga aggtgtgggc tatgggtcac ctgggttgctg gaagaagggg cccttaccga 420  
 acccggcctg gaagccacct ttttangaac canncctccg gggcttggcc gaancttntc 480  
 tttgggccat tgcattcca 499

<210> 2300  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 2300  
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 gataaatgaa ctgatgccta aatatgcccc caaggcagcc agtgcacgga ccgatttgta 120  
 gtctgctcaa tctctgttgc acctgagggg gaaaaaacag ttcaactgct tactcccaa 180  
 acagcctttt tggaaattat tttttaagtg ggctcctgac aatactgtat cagatgtgaa 240  
 gcctggagct ttcctgatga tgctggccct acagtacccc catgagggga ttcccttcct 300

## 1595

tctgttgctg gtgtactcta ggacttcaaa gtgtgtcttg gattttttta ttaaagaaaa 360  
a 361

<210> 2301  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (139)  
<223> n equals a,t,g, or c

<220>  
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<222> (285)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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1596

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<220>

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<222> (403)

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<220>

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<222> (412)

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<220>

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<220>

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<222> (427)

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<221> misc feature

<222> (430)

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<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c



1597

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (439)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2301

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aaggtgggaa gggcatggga ggatgggaag gtgggatccg cgtgcccggg aatcttccgc 120
tggcccgggg tgctcccgnc cggccgagtg attggcgagc ccacggagtc tgatggacgt 180
gttccccacc gtggtccggc tggcgggcgg cgaggttgcc ccaggacaga gtgattnacg 240
gccaaagacct tcttgccctt gctccttggg acaaccaaac atttnagacc aggatttcct 300
gatgcattat ttttgagagt ttttttgnag gnacccagtg ggaattaaag gggcaaaggg 360
acantttggg aangccatt ttnggaggct tttttttncn cancaaaggg gnnccntntc 420
ttttttnggn naaaatttnc cccttttttg gg 452
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&lt;210&gt; 2302

&lt;211&gt; 435

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (43)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

1598

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<220>  
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<220>  
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<220>  
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<222> (361)  
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<220>  
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<220>  
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<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>

1599

<221> misc feature  
 <222> (392)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (397)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (409)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (411)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (413)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (420)  
 <223> n equals a,t,g, or c

<400> 2302  
 ctggcggtcca ncgttnnatag ctcaacaggc tgcggcggtct gtncaccaca cctgccagca 60  
 caaactcaaaa gccggtangt gccgaaagcg tgctctgctc acgggcgaac agttccagcc 120  
 aacgggaaac cagtattgcc cttaccgaac aataccaggc cgatgcgttt ttntgcgcgg 180  
 aagacgggact gatgcagccc ctgaatcagg ctttcgggtcg ggccggtgcg catactgcca 240  
 ccaggctgat gccgtncatc ggacttgcca ggtnaaattc ggaccggctg gcctttaagt 300  
 ttgctgccag aagcgggtggc aatgcagcgg gttaagggtt gacgnetgca acgaccntng 360  
 ncaacaggnc anccttgaag nagnccatctt gncagtnatt ccgtttgtng ngnttttagn 420  
 gatttgggca tttta 435

<210> 2303  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (45)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature

## 1600

<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)

## 1601

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 2303

```

ggtccttcta ctctcaaaag catgcccaatt tgggtgataa attanttgat tgacttatgt 60
cagacccaaa ggacttatct caatggngga atccaggtec tgtgatgggc acttgggcaa 120
ctttttgggg gcaaggagtc ctgatgagac aattttctgc aatgacancc cncttcatct 180
gcttcacang tggagtccgg acatcatacc agnccctgtc tcctgccgct tcaccaagga 240
gaccacccan aagaatttca acantntcta tggcaccaaa ggtaactaca cctccnggnt 300
ctgggagtag tccctncagca ttcagaactc tgacaatgac ctgcccgtnt tccaaggcat 360
ctcctccttc tccctgaaag gctatnccta ncttatgcgg agccnaagcc ncaaggccca 420
gccccagact tggaaatctg gc                                         442

```

<210> 2304

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

1602

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<400> 2304  
ttggcttttn cncncatcaa gctcggccgc tactcnggcc tggtncacgg .tgtggcctac 60  
ggagccacgc gctacaatta cctaaaacct cgggcagaag aggagaggag gatagcagca 120  
gaagagaaga agaagcagga tgaactgaaa cggattgccca gagaattggc agaagatgac 180  
agcatattaa agngagtgc cctgcgaccc actccttgga ccagcagcgg atgaataaag 240  
cttctgngn ngng 254

<210> 2305  
<211> 443  
<212> DNA

1603

<213> Homo sapiens

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

1604

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (416)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2305

```
gccccagaaa attaaaacaa accctgagaa ccaaaatgaa cgaaaatctg ttcgcttcat 60
tcattgcccc cacaatccta ggectaccg cgcagtagt gatcattcta tttccccctc 120
tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
taatcaaaact aacctcanna caaatgataa ccatacacia cactaaagga cgaacctgat 240
ctcttatgct antatccttn ntcattttta ttgccacaac taacctcctc ggactcctgc 300
ctcactcatt tacaccaacc acccaactat ctatnaacct anccatgggc atcccccttat 360
gancggggcgc aatgattata ggcttttcgct ctaaaattaa ngatgcctc ncccanttct 420
taccacaagg cacacctaca ccc                                     443
```

&lt;210&gt; 2306

&lt;211&gt; 716

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (219)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (225)

&lt;223&gt; n equals a,t,g, or c



## 1605

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (440)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (534)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (562)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (573)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (688)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (689)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (715)  
<223> n equals a,t,g, or c

<400> 2306  
naaataaaaa attatnacaa accctgagaa ccaaaatgaa cgaaaatctg ttcgcttcat 60  
tcattggccc cacaatccta nggntacccg ccgcagtact gatcattcta tttccccctc 120  
tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180  
taatcaaaact aacctcaaaa caaatgataa ccatacacna cactnaagga cgaacctgat 240  
ctcttatact antatcctta atcattttta ttgccacaaac taacctcctc ggactcctgc 300  
ctcactcatt tacaccaacc acccaactat ctataaacct agccatggcc atcccccttat 360  
gagcggggcgc agtgattata ggctttcgcct ctaagattaa aaatgcccta gcccacttct 420  
taccacaagg cacacctacn ccccttatcc ccatactagt tattatcgaa accatcagcc 480  
tactcattca accaatagcc ctggccgtac gcctaaccgc ttacattact gcangccacc 540  
tactcatgca ccttattgga ancgccaccc tancaatatc aaccattaac cttccctcta 600

## 1606

cacttatcat cttcacaatt ctaattctac tgactatcct agaaatcgct gtcgccttaa 660  
 tccaaagcct acgtttttcca cactttctnnt taagcctctt acctgcacaa caacnc 716

<210> 2307  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (384)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (399)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (402)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (404)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (411)  
 <223> n equals a,t,g, or c

<400> 2307  
 gattggtggt acagcagtggt catttaataa ggaacttgat cctatacaga aactctttgt 60  
 ggacaagatt agagaataca aatctaagcg acagacatct ggaggacctg ttgatgctag 120  
 ttcagagtat cagcaagagc tggagagggga gcttttttaag ctcaagcaaa tgtttggttaa 180  
 tgcagacatg aatacatttc ccaccttcaa atttgaagat cccaaatttg aagtcacga 240  
 aaaaccccg gcctgaagaa ataaagtaaa attaactctgg taatttgtca cggattagtt 300  
 gtacaactag ttagaagttt cagaataaac atgcatttca taactgtcaa atgttctttt 360  
 aattctgagt ccaaataaat tatntggtga tgttgaaana cncnttaagc nctaaaatgg 420  
 g 421

<210> 2308  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (41)

1607

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

## 1608

<220>  
 <221> misc feature  
 <222> (316)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (324)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (346)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (423)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (436)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (462)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (468)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (488)  
 <223> n equals a,t,g, or c

<400> 2308  
 gcaacactaa aggacgaacc tgatctctta tactagtagt nttaatcatt tttatttgcca 60  
 caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120  
 tcctagccat ggccatcccc ttatganccg ggcagtgat tatangcttt cgntctaaga 180  
 ttaaanatgc cctagccccc ttctttatcaa aangcacacc tacacccctt atccccatac 240  
 tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300  
 tcgcttacat tactgnaggg cacntactca tgcacctcat tggaancgtc ccctacaata 360  
 tcaatcatta aacttcacct tacactttat tcttcacatt ctattctaac ttaatatcct 420  
 aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaaccct 480  
 ttacttttncg aaaaaccttt tt 502

1609

&lt;210&gt; 2309

&lt;211&gt; 283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt; .

&lt;221&gt; misc feature

&lt;222&gt; (229)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2309

```
gcgggaagcc ttccagagtg tgggtgctgcc ggcctttgag aagagctgcc aggccatggt 60
ccagcaaatc aatgatagct tccggctggg gacacaggaa tacttgacgc agctagaaag 120
ccacatgaag agccggaagg cacgggaaca ggaggccagg gagcctgtgc tagcccagca 180
agcccatatc ctgcagctgc tgcagcaggg ccacctcaat caggccttnc agcaggcgct 240
gacagctgct gacctgaacc tgggtgcttgt atgtgtgtga aat 283
```

&lt;210&gt; 2310

&lt;211&gt; 514

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (241)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (271)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

## 1610

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<400> 2310

```
gcagcattcg ggccgagatg tctcgctccg tggcctgagc tgttctcgcg ctactctctc 60
tttctggcct ggaggctatc cagcgtactc caaagattca ggtttactca cgtcatccag 120
cagagaatgg aaagtcaaat ttcttgaatt gctatgtgtc tgggtttcat ccatccgaca 180
ttgaagtga cttactgaag aatggagaga gaattgaaaa aagtggagca ttcagacttg 240
nctttcagca aggactggtc tttctatctc ntgnnctaca ctgaattcac cccactgaa 300
aaaagaatga agtattgcct ggccgtgtga accatggtga ctttttcaca agccaaaagat 360
agtnaantgg gaancaagac atgttaagca gcatcatgga aggtttgaag aatccccatt 420
tggaattgg atgaattccc aaattcttgc ttgcttggct ttttaaanaa tggnaancct 480
attncacttt aacactttta ttgccccaaa antg 514
```

<210> 2311

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

## 1611

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 2311

```

cctcactaa gggacaaagc tggngctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggt ctgcaggaat tcggcacgag cgaagcgggg gctgccccag tcaactgcagg 120
acgcgcaccg cctgcgcgcg tccccactnc tgcggggccg nccccgccag gnccacctgc 180
ctctgctgcc gccctccaac tctactggg ccggccacac ccccgagcag cactagtcct 240
gcctggtggc cctgggagcc aggatgggac caaagtcaag gcctggggca tggctgagta 300
ccccagacgt ctggtccagg gcagacacat tnccttcaga agcccgtgtc tcagtgcagg 360
tgagagcgtg gggacagcgt gaagggtgtc ccagccaggc cccaggcact ggaggccctg 420
ggtcttcccc cagncacanc cagtaggtgt ggaggataaa ggcttctgtg g 471

```

<210> 2312

<211> 387

<212> DNA

<213> Homo sapiens

1612

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2312

```
ggtntgcatg tcatacgcgt tccacacgcc agacaagctc agcttcatcc tggacctcat 60
gaacggtggg gacctgcaact accacctctc ccagcacggg gtcttctcag aggctgacat 120
gcgcttctat gcggccgaga tcatcctggg cctggagcac atgcacaacc gcttcgtggt 180
ctaccgggac ctgaagccag ccaacatcct tctggacgag catggccacg tgcggatctc 240
ggacctgggc ctggcctgtg acttctcaag aagaagcccc atgccagcgt gggcacccac 300
gggtacatgg ctccggagggt cctgcagaag ggcggtggcct acgacagcag tgccgactgg 360
ttctctctgg ggtgcatgct cttcaag 387
```

&lt;210&gt; 2313

&lt;211&gt; 119

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (75)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (108)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



1613

<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<400> 2313  
nnccctacgc ccgttacttt cggttttcttn ccttcctttt ttgccacgtt cgccgggttt 60  
ccccgtcaag cttttaatng ggggctccct ttaggggttc caattaanng ctttacggg 119

<210> 2314  
<211> 739  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (666)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (672)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (677)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (712)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (732)

1614

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2314

```

nctactatcg ggaaagctgg tacgcctgca ggtaccgggc cggaattccc ggggggtgggt 60
acgcgcagng tgaccgctac acttgccagc gccctanccg ccgctccttt cgctttcttc 120
ccttcctttt tcgccacgtt cgcgcgcttt ccccgtaag ctctaaatcg ggggctccct 180
ttaggggttc gatttagtgc ttacggcac ctgcacccca aaaaacttga ttaggggtgat 240
ggttcacgta gtgggccatc gccctgatag acggtttttc gccctttgac gttggagtcc 300
acgttcttaa tagtggactc ttgttccaaa ctggaacaac actcaaccct atctcgggtc 360
attcttttga ttataagggt attttgccga ttctggccta ttggttaaaa atgagctga 420
tttaacaaaa atttaacgcg aattttaaca aaatattaac gcttacaatt taggtggcac 480
ttttcgggga aatgtgcgcg gaacccttat ttgtttatct ttctaaatac attcaaata 540
gtatccgctc atgagacaat aaccctgata aatgcttcaa taatattgaa aaaggaagag 600
tatgagtatt caacatttcc gtgtcgcctt tattcccttt ttttgcggca attttgcctt 660
ccctgntttt tngcttnacc ccagaaaacg ctggtggaaa aggttaaaaa gnattgcctt 720
gaaatatcca antttgggt 739

```

&lt;210&gt; 2315

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (130)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (138)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (143)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (149)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2315

```

tctagatcgc gagcggccgc tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc 60
atagctcttc tatagtgtca cctaaattca attcactggc cgtcgtttta caacgtcgtg 120
actgggaaan cccaaaancc gcncacnng atg 153

```

1615

&lt;210&gt; 2316

&lt;211&gt; 291

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (190)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (203)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2316

```
ttactagttc tagatcgcca gcggccgntc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacaatcccc 180
tttcgccagn tggcgtaata gcnaagaggg ccgcaccgat cgccttccca acagttgcgc 240
agnctgaatg gngaattggga cgcgccctgt agcnngcgca ttaaagccg g          291
```

&lt;210&gt; 2317

&lt;211&gt; 363

&lt;212&gt; DNA

1616

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

1617

&lt;400&gt; 2317

```
ntnctaaatn ttnttgggaa taancgactc actatagggga aagctgggtac gcctgcaggt 60
accggtccgg aattcccggg tcgacccacg cgtccgcca cgcgtccggg ggttgaggga 120
caaagtagtg aagaactgta agatattcaa tatagtgtat tgatgaatta gaattgtatg 180
gaaagataaaa ccgcagaagg tgagagtcct gtataagtaa atccttacac atataacttt 240
gctcccaagt aacatggaac acgaggaatt ctgtgtgaat cagngaggac catatctnat 300
aaggctaaat actcttacta accgatagcg catagnaccg ngaggggaaag gngaaaagaa 360
ccc 363
```

&lt;210&gt; 2318

&lt;211&gt; 459

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (145)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1618

<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (443)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<400> 2318  
naactccttt ggaaaacncg ctactatatg naaagctggt ncgcctgcag gtaccgggtcc 60  
ggaattcccg ggtcgattna cgcgttttta gatcgcgagc ggccgctcta gaggatccaa 120  
gcttacgtac gcgtgcatgc gacgncatag ctcttctata gtgtcaccta aattcaattc 180  
actggccggtc gttttacaac gtcgtgactg ggaaaaccct gccggttacc aacttaatcg 240  
ccttgcagca catccccctt tcgccagctg gcgtaatanc gaaaangccc ggaaccnatn 300  
gcccttnccc aacaggttgc gcagccttga atggcggaatg ggacgcgccc tgtaagcggc 360

## 1619

gcattaagcg cggcnggtgt ggtgggttacg cncagcgtga cgcgtacact tgccagcgcc 420  
ctagcgcccc ctcttttcna ttnccttcct tccttttnt 459

<210> 2319

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<400> 2319

gagatctctc tgnaaaaacnc gactcactat ttgggaaagc tggcacgcct gcaggtaccg 60  
gtcccggaatt cccgggtcga cccacgcctt cgcgccattc aaaggccatt tctgttacta 120

## 1620

```
tcgtttggaa tacagtgtgg ccaaagccaa ggcaactggt cactgtgact ggaaattgta 180
gccctggctg attgtggtat gagactgcta atatgaattc taaaatctca ctttaatgca 240
gcaaagccta tttcttgaag tggttgggga gaaagtacag cacatgaaaa tgatagagaa 300
ttcacatttc agtgtatgta aataaagact tactggagtg cagccacact taaaaaaaaa 360
aaaaaagggc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc cgacgtcata 420
nctcttctat agtgtcacct aaattcaatt cactgggccg tcgtttacac gtcgtgactg 480
ggnaaaaccc tgcggtaccc caacttaatc cgccttgcag aacatcccc tttcgcaagn 540
tgngaatacc aaaaggcccn accnat 566
```

<210> 2320

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature



## 1621

<222> (247)

<223> n equals a,t,g, or c

<400> 2320

```
ntctggnacg acccantata gggaaagctg gtacgcctgc aggtaccggt ccggaattcc 60
cgggtcgacc cagcgtccg ggctgtggtc ccagtgtga attctgcca gcagtgactt 120
gattcatgaa cactcactgg atgctgactc tgtttctctt ctgagtgtg gggtagagga 180
gaggagaggt ggagcacaga tcttgctttt atgagcttat gntctaggaa gnncaaacia 240
gtattnnttc agg                                     253
```

<210> 2321

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

1622

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2321

```
gctagttcta gatcgcgggc ggncgntcta gaggatccaa gcttacgtac gcgtgcatgc 60
agacgtcata gctnttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgttngact gggaaaaccc tggcgntacc caacttaaac gacttgcagt acattccctc 180
tttngccagn tggng                                     195
```

&lt;210&gt; 2322

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (93)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (95)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (99)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1623

<221> misc feature  
 <222> (148)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (180)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (225)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (375)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (387)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (425)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (438)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<400> 2322  
 ggccttangg ctaccacccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60  
 ccgtttctta ctccctatgt ttgaanagaa acntnnggng tgagatatac aaatatatatt 120  
 aattgngtca tattaaactt ctgatttnac aaaaaaaaaa aaaaaggggcg gccgctctan 180  
 aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttntatag tgtcacctaa 240  
 attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 300  
 acttaatcgc cttgcagcac atacccttt cgccagctgg cgtaatagcg aagaggccccg 360  
 caccgatcgc ccttnccaac agttgencag cctgaatggc gaatgggacg cgccctgtag 420  
 cggcncatta agcgcggngg gtgtggtggt tacnc 455

<210> 2323  
 <211> 211

1624

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)

## 1625

<223> n equals a,t,g, or c

<400> 2323

```
cngaaanccc tttggaaacc ccnttggnac gaccgantat agggaaagct ggtacgcctg 60
caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggcggacgc 120
gtgggcggac gcgtgggtca aagntggata caagaagctn tttgtactgg atgacgtga 180
ggctcataat gaggtanaac cactttgnat n 211
```

<210> 2324

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

1626

<223> n equals a,t,g, or c

<400> 2324

```
gcggacgcgt gggctatddd ctaaataaac ctttgtaatc taaaaaatan annggagggc 60
ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc gacgtcatag ctcttctata 120
gtgtcaccta aattcaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct 180
ggcgttaccc ancttaatcg ccttgacagca catnccccct tcnntcagnt g          231
```

<210> 2325

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

## 1627

<223> n equals a,t,g, or c

<400> 2325

```
ctnganntcc tctggaaaac ccctcactat aggttaagct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtnc gnaagctgac acagacctn antacgtatt 120
ctgacaacca agaggnggag attatgaa 148
```

<210> 2326

<211> 142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

1628

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<400> 2326  
atnntgnaan accnctcact ataggtaaag ctggtaacgcc tgcaggtacc ggtccggaat 60  
tccccgggtcg acccacgcgt ccggggagag ttcacattat tncctttcca tnggaagngg 120  
tgctggngna ttcaaatacgt tc 142

<210> 2327  
<211> 155  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c



1629

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<400> 2327  
cttctctgga tangcngta gaactcctct ggaaaccctc actatagggn aagctggtag 60  
gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtccgccca cgcgtccgcc 120  
cacgcgtncg aaaaanaaag gaanaaaaaa nanaa 155

<210> 2328  
<211> 130  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>

1630

<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<400> 2328  
cncctcncng cctcgtatcc nncctcactat agggaaaget ggtacgcctg caggtaccgg 60  
tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggtcgaccc gganatctng 120  
gngnggttnt 130

<210> 2329  
<211> 191  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1631

<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<400> 2329  
tactataggg aaagctggta cgctgcagg taccggtccg gaattcccgg gtcgaccac 60  
gcgtccggnc aatntngnng cttcttgtgg ccaacttcag agcctgtcac caggaaaggt 120  
aagnatggga ggnatgaaga tccaacatat gaacanaatg tttatggttt ataagagaac 180  
tctcagnncc c 191

<210> 2330  
<211> 216  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1632

<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (201)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<400> 2330  
tccctatgna acncctttgt aataccctca ctatagggaa agctgggtacg cctgcaggta 60  
ccggtccgga attcccgggt cgaccacgc gtncgcagaa agggagacca tttcatctct 120  
tcagggaaca atccctggga atgtacttat tcattatggc ataaaagcag tngtataaat 180  
acattcccag ggattgntcc nagaanggga gacnat 216

<210> 2331  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1633

<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<400> 2331  
tccctngtaa actcctttgn aataccctc actatagggg aagctggtac gcctgcaggt 60  
accggtccgg aattcccggg tcgaccacg cgtccgggca tttctgaagt gcactttntt 120  
gaaacatnat tttgctaact ctcagcagtg tctaattaaa ctgagcaata nttttgtgaa 180  
ttttaattaa tctcagcaaa accatgatgg gagagagtcn tntgatggaa atgtagtccc 240  
tggattatgt gtaaccctttt tattgntctt agatgcanag gatagaaaag catttttttg 300  
tgcantggt 309

<210> 2332  
<211> 158  
<212> DNA  
<213> Homo sapiens

1634

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<400> 2332  
ggactagttc tagatcgcca gcggccgctc tagaagatcc aagcttacgt acgcgtgcat 60  
gcgacgtcat agctcttcta tattgtcacc taaattcaat tcaactggccg tcnttttaca 120  
acgtcgtgac tgggaaaacc naacnncang cccttcat 158

<210> 2333  
<211> 219  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>

## 1635

<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<400> 2333  
nccaattcta ntacgntcct catagggttaa agctgggtacg cctgcaggtn ccngtccgga 60  
attccccgggt cgacccacgc gtccgactag ttctagatcg cgagcggccg ctctagagga 120  
tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc acctaaattc 180  
aattcactgg ccgtcgtttt acaacgtcgt gactgggaa 219

<210> 2334  
<211> 160  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<400> 2334  
gccccacgcgt ccggactagt tctagatcgc gagcggccgc tctagaggat ccaagcttac 60  
gtacgcgtgc atgcgacgtc atancctctt tatagtgtca cctaaattca attcactggc 120  
cgtcgtttta caacgtcgtg actgggaaac caaaanannn 160

<210> 2335

1636

&lt;211&gt; 154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (145)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (151)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (152)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (153)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (154)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2335

```
ggactagttc tagatcgcca gcggccgctc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc caaanagaaa nnnn                               154
```

&lt;210&gt; 2336

&lt;211&gt; 143

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



1637

<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (75)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<400> 2336  
gntagttcta natchcgagc ggncgancna gaggatccaa ncttangtac gcgtgcatgc 60  
gacntcatag ctctnctatc atgtcaccta aattcaattc actggccgnc gntttacaac 120

1638

gtcgtgactg ggaaaacgaa tgt

143

&lt;210&gt; 2337

&lt;211&gt; 246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (241)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (244)

&lt;223&gt; n equals a,t,g, or c

1639

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<400> 2337  
ggnnnctnan tacgctctct aaaatacgag gccctataag gaaagctggt acgcctgcag 60  
gtaccgggtcc ggaattcccc ggtagacca cgcgtccgga ctagtcttag atcgcgagcg 120  
gccgctctag aggatccaag cttacgtacg cgtgcatgag acgtcatagc tcttctatag 180  
tgtcacctaa attcaattca ctggccgctg ttttacaacg tcgtgactgg accccaaaaa 240  
nnnnna 246

<210> 2338  
<211> 95  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<400> 2338  
ntgattacgn nntctcaa atcaggtcact atanggaaag ctggtacgcc tgcaggtacc 60  
gtccggaat tcccggtcg acccagcgt ccgct 95

<210> 2339  
<211> 110  
<212> DNA  
<213> Homo sapiens

1640

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<400> 2339  
gggggggggg ggtgggtaat gattacgccc tctcnaatac gantcactat agggaaagct 60  
ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 110

<210> 2340  
<211> 151  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>

## 1641

<221> misc feature  
<222> (124)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<400> 2340  
ntgattacgg cncctcctcaaa tacgacnncnc tatagggnaa agctggtacg cctgcaggta 60  
ccgggtccgga attcccgggt cgacccacgc gtccgggggt ttagtcgtga tttttttttt 120  
ttnnccnggt tgtngtcttt tttaagcaan a 151

<210> 2341  
<211> 159  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1642

&lt;222&gt; (159)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2341

```
gcggacgcgt gggactagtt ctagatcgcg agcggccgct ctagaggatc caagcttacg 60
tacgcgtgca tgcgacgtca tagctcttct atagtgtcac ctaaattcaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggaccn aaaaannnn 159
```

&lt;210&gt; 2342

&lt;211&gt; 138

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (134)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (138)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2342

```
gatcgcgagc ggccgctcta naggatccaa gcttacgtac gcgtgcatgc gacgtcatag 60
ctcttctata gtgtcaccta aattcaattc actggccgctc gttttacaac gtcgtgactg 120
ggaaacccaa aanntnnn 138
```

&lt;210&gt; 2343

&lt;211&gt; 175

&lt;212&gt; DNA

1643

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (160)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (165)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (168)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (169)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (174)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2343

```
gcagggtagg tacaaaaacc tcccgtggta ncaaaagggc ggccgctcta aaagatccaa 60
gcttacgtac gcgtgcatgc ggacgtcata gctcttctat agtgtcacct aaattcaatt 120
cactggccgt cgttttacaa cgtcgtgact gggacccccc aaatnggnng gggnt      175
```

&lt;210&gt; 2344

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

1644

<220>  
<221> misc feature  
<222> (548)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (554)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (572)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (582)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (583)  
<223> n equals a,t,g, or c

<400> 2344  
taagctggta cgcctgcagg taccgggtccg gaattcccgg gtcgacccac gcgtccgagt 60  
nlnataaaaa aaagggttcag tatttttcttt ttagtataac ttacatcctt tcaaataagt 120  
cttttgccctc atgaagaatc cctagaggaa gataaggaaa ataagtattt tccagttttg 180  
cttgacagtt tctaaacaaa caaaaataaa ctcaatgaaa ggaaagatgt ttcttttttag 240  
ctgagatgac agattgcttc tctgtattaa atagtctaga agttaagggg atggtcacat 300  
ttaccatgta ttgtgttatt agcagttaaa ttttatgaat atgtttgtaa aattgtttgtt 360  
ttatatatttca tgtcaaatgt aaaagtttat ttcttccacta ttgtacctgt ggaaatacaa 420  
gccatttttac aggaaaaaat cttcaaaaac tattaaatgg atatcagcct gttaaaaaaaa 480  
aaaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 540  
agctcttnta tagngtcacc taaattcaat tnactggccc gnng 584

<210> 2345  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)



1645

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

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1646

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<220>  
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tacgccaagc tctaatacga ctactatag ggaaagntgg tacgcctgca ggtaccggtc 120  
cggaattccc gggtcgaccc acgcgtccga ctagncttag atcgngggcg gccgctctag 180  
aggatccaag cttacgtacg cgtgcatgcg acggcatagc tcttctatag ngacacctaa 240  
attcaattca ctggccgtng ntttacaacg acgngactgg gaaaaccctg gcgttaccca 300  
acttaatcgc cttgcagcac atccccnttt cgccagctgg cgtaatagcg aagaggccccg 360  
naccgatcgn cttgcccaaca ggtgcgacgn ctgaatggcg aaggggacgcg ccttggagcg 420  
gngcattaag cgcggnngg 438

<210> 2346  
<211> 168  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (79)  
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1647

<220>  
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<223> n equals a,t,g, or c

<220>  
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tacgcgtgca tgccgacgnc atagctcttc tatagtgtca cctaaattca attcactggc 120  
cgtcgtttta caacgctcgtg actgggaaaa cccagacann tnattnat 168

<210> 2347  
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<213> Homo sapiens

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<220>

1648

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<220>  
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<223> n equals a,t,g, or c

<220>  
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gactcactat antgattngc tggtagcgc gcaggtagcg gtccggaatt cccgggtcga 120  
cccacgcgtc cgcccacgcg tccgtttaat ttgtacttaa aatacathtt actaatcata 180  
ttgatttttaa atatgacaaa ttcttctagt agataactaat ctttcttggt tatcatattg 240  
tcctagagaa gcctaggtaa aaatgggttc cacctagtct gtttgtataa caccttcccc 300  
cgtccccctct ccatccctgc caattgggct ctatgcata tgacaagcaa ataagaaaac 360  
cttaggtttc ttgtatttga atttccaaaa caataaaagg ttttgactca agatttgcac 420  
tcaagaagag gcagaaaatt tgtcttatct ttttatcatt ttgtgaactt gtgtttctct 480  
gtatgcttag aaaattttac acacaaggaa tgtttgaaaa agtgagaatt ttagagtgtc 540  
tgggtggntn tatgtggcag ngctgatgng ntagg 575

<210> 2348  
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<212> DNA  
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<220>  
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## 1649

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<220>  
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<223> n equals a,t,g, or c

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<222> (184)  
<223> n equals a,t,g, or c

<220>  
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<222> (187)  
<223> n equals a,t,g, or c

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gttggtacgc ctgcaggtac cggtcaggaa ttcccggggc gacccacgcg tccgctaagt 120  
ctgatcgcat tgtgaatgaa acttagatct gaaaacagct cctaggatnc ctgncagcnc 180  
ctgnagna 188

## 1650

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<211> 168  
<212> DNA  
<213> Homo sapiens

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<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

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<222> (66)  
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<222> (71)  
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<220>  
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<220>  
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<222> (155)  
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<400> 2349  
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tatatngatt ngctggtagc cctgcaggta cccgtccgga attccccggg cgacccacgc 120  
gtccgaatat ttgttgctgg aataaatgaa tganntaaaa aaaaaaaaa 168

<210> 2350  
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<212> DNA  
<213> Homo sapiens

<220>

## 1651

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature

1652

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&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2350

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actataggga anagctggta cgcctgcagg taccgggtccg gaattcccgg gtcgaccac 120
gcggtccgact gacgtgaaga aaatatgccaa ttgtttattc cctcctgcat catttccata 180
atttgctttt gtactgtcaa tttagaggaa atgtgtgatg ctggtgtttt gtttggcctg 240
tttgtttgat gctggggggtt ttatgtgttg naccctttac cccttacatt gngtaatttg 300
aaagtggcaa acaaacctgc agtaaaagtc cttgattggc atcttcattc ggatgatgga 360
gagcctttgn ggnagnngn 379
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&lt;210&gt; 2351

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (121)

&lt;223&gt; n equals a,t,g, or c



1653

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<220>  
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<222> (159)  
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<220>  
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<222> (210)  
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cntaagggga atcngnnaac agccatgacc atgattacgc caagctctaa tacgactcac 60  
tatagggaaa gctggtacgc ctgcaggtag cggnccggaa ntcccggggtc gacccacgcg 120  
nccgcccacg cgtccgntcc tatgaccaca aagggccgna agaaatattt ttacactaa 180  
aatacacttg ggtaccactt gnattttagn gtaaataaaa agat 224

<210> 2352  
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<212> DNA  
<213> Homo sapiens

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<220>  
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1654

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<220>  
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<222> (437)  
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1655

<220>  
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<222> (439)  
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gactcactat anggaaagct ggnacgcctg caggtaccgg tccggaattc ccgggtcgac 120  
ccacgcgtcc gatcattttg ctcatgngtc ttttcttagn gagcacagca aaaaaatgtg 180  
tntctgatca ttggacatgg catcagtagt gatgggattc actgacttgn cacacaggag 240  
atctgggtta tagttcaagc tctctttctt tttctaaaat tggttatgcc atttatattc 300  
tcctctgaga taaggatcta ctagaaattg ctgngttcta aactaatact tatcaaacag 360  
ggttccatgg tcctaaggga accgtgcact gcacatcttc tgaggctctgg aaaatcttta 420  
ggaatttcag ngngngngng 440

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<212> DNA  
<213> Homo sapiens

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<220>

1656

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<223> n equals a,t,g, or c

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<220>  
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<223> n equals a,t,g, or c

<400> 2353  
cttaaggggg ggaantaaat ggganaactc ccccnctt ttcccgggaa aaccnctctg 60

## 1657

accatgattn cgccaagctc taatacgact cactatttgg aaagctggna cgctgcagg 120  
tnccggnccg gaattcccg ntcgnccac gcgtccggga gcagagagga ggcaanggcc 180  
accatggaga acaaggngat ctgcgccctg gncctggngn ccatgctggc cctcggcacc 240  
ctggccg 247

<210> 2354

<211> 315

<212> DNA

<213> Homo sapiens

<220>

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1658

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<220>  
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attacgccaa gctctaatac gactcactat agggaaagct ggtacgcctg caggtaccgg 120  
nccggaattc ccgggtcgac ccacgcgtcc gcatggnttt cggngattta gagtttaagc 180  
cagnagnnggg gcgactgtac atctatcgac atggngaggt agagcatgtt tgggaggaaa 240  
gacgntgaat cccatttggg gacagngagc ttgaggngct gccagaacac tgcactgaag 300  
ataggaggag actgn 315

<210> 2355  
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<212> DNA  
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<220>  
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1659

<220>  
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<220>  
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tctaatacga ctactatattt gggaaagttt ggtacgcctg caggtaccgg tccggaattc 120  
ccgggtcgac ccacgcgtcc gggatatttg taaaaaatat cctgcattat cttcaaaaata 180  
aagaaaacacg cnannnn 197

## 1660

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<211> 139  
<212> DNA  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

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cgacnatgct ncgccaagct ctaatacgac tcactatagg gaaatggttg tacgtntgca 60  
ggtaccggnc cggaattccc gggncgaccc acgcgtccgg ctaggagccg cgcgagtcgt 120  
agngacgntg aatgcgggt 139

<210> 2357  
<211> 578  
<212> DNA  
<213> Homo sapiens



1661

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<221> misc feature  
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<222> (206)  
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<222> (257)  
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<220>

1662

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<222> (452)  
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<220>  
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<222> (470)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (484)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (488)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (512)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2357  
cgtntcnatc ggaaacagcc tgaccatgat tacgccaagc tctaatacga ctactatag 60  
ggaaanttggt tacgcctgca ggtaccgggc cggaattccc gggtcgaccc acgcgtccgg 120  
gtgaaagggg ggaccctacc ctccagaacat gaggggaataa tattttacgng gctcacaaaag 180  
accagtgagt acatcatatg catctntcac aactccccag aagagggcct ccagcacgag 240  
tctaggctca gccttnnctg accctccgag aactctatga attgctgcca agtgntttta 300  
ttttcctnag aatttcttng naatgttatt gaggggttga ggtcctttta caaatttttg 360

## 1663

```

aaataagtaa atcaaattgag aagaccatgc ttccaaacaa tcattctggt taacagatcc 420
cctngattta atgcaattat gaatgcgtta gnggtagtgt agtttaagan ctttcctngg 480
atgnacangc tttaagaaac caacctagga gnggattttc tataagnaat gggctctaaga 540
ctttacgctt tacacatcaa tgatatacgc tggctttt 578

```

<210> 2358

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<400> 2358

```

gncgagaata ctcnttttctt cttgaaacag ccatcaccat gattacgcca agctctaata 60
cgactcacta tagggaaagc tggtagcct gcaggtagcg gtccggaatt cccgggtcga 120
cccacgcgtc cgaaaaanann aanagaacct taaaaaacta gaganc 166

```

<210> 2359

## 1664

<211> 369  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<400> 2359  
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tagggaaaann tggtagcgcct gcaggtagcg gtccggaatt cccgggctga cccacgcgctc 120  
cgaaagtttt aagtcctggg ttttcagact actgtgtagc agctgtgtgt ttaacatact 180  
gtagcttttt ctcccttggg ggcacataca aataggatgt gttgatgtgg actctaaact 240  
gtaattttcc tgtaactatt ttggaatgat gcataatttct aatgtttgtt atacttgtac 300  
agagtattgc tgnrtggttgc tttntttttt ttttaaggaa aaaanggcnt gaaaacnttt 360  
ttttaaaga 369

<210> 2360  
<211> 185  
<212> DNA

1665

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (176)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (177)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (179)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2360

```
ggagaancct cntttcattc ttgaaacagc tatcaccatg attacgcca gctctaatac 60
gactcactat agggaaaagc ggtacgcctg caggtaccgg tccggaattc ccgggtcgac 120
ccacgcgtcc gggcctntga aaataaggaa gcatnggagc tatagccatg tagagnnang 180
ggcta                                     185
```

&lt;210&gt; 2361

&lt;211&gt; 404

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

## 1666

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400>, 2361

ccgcnagnna acctcacttt gntacgaccc actatagggg aagntggtac gcctgcaggt 60  
accgggtccgg aattcccggg tcgacccacg cgtccgaaat aaccttttgt ggtcactgta 120  
aaattaatat ttggtagaca gaatccatgt acctttgcta aggttagaat gaataattta 180

## 1667

```

ttgtattttt aatttgaatg tttgtgcttc cgttttgttt ctgctcagta atatagtcaa 240
gcaagtttgt tccaagtgac ccattgagct gtgtatgcat ttttgtttat ttcaataaaa 300
tatatttgta ttatttgtcc ttcatactat ccattccatac cacactatct tctgtatcag 360
gtagtctaat agaaatatac ctgttttgtt ctaaaaaaaa nnnn 404

```

<210> 2362

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 2362

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ggccccagtat tattccagat tctcctgagc tagatactgc cctaaggcct tgtacactta 60
aactaccacg atgtgccttt ctgaatatta cccaattact ccaggaagtg agcataaata 120
taactgccat tctttattaa catttttatgc ctatgccatt ttcaactagt tatgcggtga 180
ctaatttttag ttgttttaggc cccaagtact atatttgaat aatattccat gtttttaaca 240
tgaagaaatg ctactagttc tagatcgcca gcggcgcgtc tagaggatcc aagcttacgt 300

```

1668

acgcgtgcat ggcacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg 360  
nccgttttaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag 420  
cacatncccc tttegcagct ggcgtaatag cgaaaaagcc cgcaccgac ggccttccaa 480  
caagttgcgc agcctgaatg gggaatggga cgcgcctgt ancgngcat taancgccg 540  
gggtgtggng ggtaccnca a 561

<210> 2363

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c



1669

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (456)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (499)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (505)  
<223> n equals a,t,g, or c

<400> 2363  
ggcagactct tectctcttc ctcgatacac agggggcccct gccacagcct gactctctgc 60  
cacctcgtga gtctctggaa agcagggctcg gcctctgaat acagaggact tgggtcctgc 120  
cggaggatgc ttggccagtg ggtgctggca cgtgagcagc ccccggggag tcagagtggg 180  
gctgcagcga aggccgtggt ggtcgagggt aggggtgggtg ccaggtcttg ttgccgcagt 240  
gaggattctg gggttaccct aagagccacc acattcaggc actcaagaaa aagcacgtca 300

## 1670

aaataaaata ttttcacctg aaaaaaaaaan nnnnnnnnnn aaaaaaaaaa gggcgggccgc 360  
tctanaggat ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtggca 420  
cctaaattca attactggcc gcgttttaca acgtcngact gggaaaaccc tggngttacc 480  
caacttaatc gccttgganm aaatnccctt ttg 513

<210> 2364

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<220>

1671

<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1672

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2364

```
aaaacatttg ctataactta aaatataatt ttgacatgga tctaccattg tatttttgaaa 60
ctgtatagct atagtggctc cttatgtata tttagattta cttacagctt gaaagtaatg 120
aacaacttgc atgaattagt ttnttgtacc acacatttta ttgttngtag gctactctcc 180
ctgaaaaaca attatttcag gaatgtattc attgtggtac ttttagaaat gattatttgt 240
gaagttaata ctcatattnt ttaccttatt tnatttttat tctgaataaa ataatatgga 300
gattcttacc ncaaaannna nncannaagt nanaannacc ctcccanaag ggcgggcgcg 360
ctanaagatc caagcttacg tacgctgca tgcaacgtca taactcttct atagtgtccc 420
taaattcaat tcnctgggcc gtcgttttac aacgtcntga ctgg 464
```

&lt;210&gt; 2365

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

## 1673

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

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<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

1674

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<400> 2365  
cnctagagaa ccnctttttg gaatacgnnt cantataggg aaagctggta cgcctgcagg 60  
taccggtccg gaattcccgg gtcgaccac gcgtccggag nactgntggg anngggnttg 120  
tgagggtggca tcntgcncgt atnagggacc catnntgaat ttctgtgngg gatangagtt 180  
gaacaaagta gcaaaacaaa ggcaagtgan tatatgaaa attagaagca ctggaataan 240  
caggctnttt aaagtganga aattancaat gaaaaagca 279

<210> 2366  
<211> 243  
<212> DNA

1675

<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

1676

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<400> 2366  
aataaggnga ngagngttaa gancggatac gactcactat agggaaagct ggtacgcctg 60  
caggtaccgg tccggaattc ccgggtngac ccacgcgtcc gtggaaatct gtcctccana 120  
atccaggcca naaagttcac agtcaaattg ggaggggtat tcttnatgca ggagacccca 180  
ggccctggag gctgcnacat acctnaatcc tgtcccangc cggatcctnc tgaagccctt 240  
ttt 243

<210> 2367  
<211> 178  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)



1677

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<400> 2367

gncctgnggc ttggaancta nnaacccagt tgggaacgac ccactatagg gaaagctggt 60  
acgcctgcag gtaccggtcc ggaattcccg ggtcgaccca cgcgtccggt aaaacctgga 120  
taatcagngt atgttgaccc agaggagca tnggnntttt aactgcaaaa aatgatgg 178

<210> 2368

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

1678

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<400> 2368  
tttggaatcc agctaangna ccnccgtttg ggaacgacnc actatagggga aagctggtac 60  
gcctgcaggt accggtccgg aattccccggg tcgacccaacg cgtncgattn tatgnctttg 120  
tggctnctac agtaactna 139

<210> 2369  
<211> 187  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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## 1679

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<223> n equals a,t,g, or c

<220>  
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<222> (182)  
<223> n equals a,t,g, or c

<400> 2369  
ccgctataga cccccgttgg aacgacccac tataggggaan gctgggtacgc ctgcaggtac 60  
cgggtccggaa ttccccgggtc gacccacgcg tccggggctg agtgntcttg gattnctcta 120  
gaggctggca agaaccaggm ggttttgnct tgcgggtctg gacaggggtt ggaaaggcca 180  
ancccgga 187

<210> 2370  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

1680

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<220>  
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<222> (114)  
<223> n equals a,t,g, or c

<220>  
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<222> (142)  
<223> n equals a,t,g, or c

<220>  
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<222> (151)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (154)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (171)  
<223> n equals a,t,g, or c

<220>  
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<222> (177)  
<223> n equals a,t,g, or c

<220>  
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<222> (179)  
<223> n equals a,t,g, or c

<220>

1681

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<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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## 1682

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<220>  
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<222> (339)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
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<222> (367)  
<223> n equals a,t,g, or c

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cccgggtcga cccacgcgtc cgatagtaaa gactgntctg tggatgggag tgnntaatac 120  
attatatatt ttgtacagag antacaggcc nt nngatnta ttaaaatcag nagatgntng 180  
gcctaattct tagcantant naganntttg cgccagaact ttgttgngca cgctttntgn 240  
gatcngcggt aaaaacctgc atagccaaca ttgnagatag aacttaaant agatattcaa 300  
ataaatat tt aattttttta attgatcttg tataatcana tgccccttna agcattatta 360  
tagaagn 367

<210> 2371  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

1683

<220>  
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<222> (132)  
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<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<400> 2371  
accatttttc atntggaagc acgctatgac catgattacn ccaagctcta atacgactca 60  
ctataggnaa agctggnacg cctgcaggta ccgggccgga attccccgggt cgacccacgc 120  
gtccggagat antangtaat tgtattgatc tgcagangca tccatctctt ggattctnat 180  
tncttctacc antgcagaac ttacacctgt aatcactttc ctttggcctt aangataac 239

<210> 2372  
<211> 279  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

1684

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
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<222> (12)  
<223> n equals a,t,g, or c

<220>  
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<222> (23)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (203)  
<223> n equals a,t,g, or c

<220>  
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<222> (251)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c



## 1685

&lt;400&gt; 2372

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nctacgaanc anccaagctc ctncgggaaa gccntaacia tttcacncag gaaacagcta 60
tgaccatgat tacgccaagc tctaatacga ctactatag ggaaagctgg tacgcctgca 120
gggtaccggtc cggaattccc gggtcgaccc acgcgtccgg cccagccgt gagattccca 180
ggagtttaca cttggtgatc agnactgaac acagaccacc aacctggag ttgggggetta 240
gctggattat ncttgntgct atgataaaaag gngtnaacg 279
```

&lt;210&gt; 2373

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (61)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (184)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (250)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (254)

&lt;223&gt; n equals a,t,g, or c

1686

<220>  
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<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

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ntaatacgac tcactatagg gaaagctggt acgcctgcag gtaccggtcc ggaattcccg 120  
ggtcgaccca cgcgtccgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
aaaaaaaaan gggngntant tt 262

<210> 2374  
<211> 194  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
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<222> (44)  
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<220>  
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<222> (74)  
<223> n equals a,t,g, or c

<220>  
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<222> (138)

1687

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<400> 2374

```
acaaccttac acaggtagcn gctatgncca tgattacgnc aagntcctaat acgactcact 60
atagggaaag ctgntacgcc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 120
tgcgctattg cgggcctnca gctcatcggt tcacntcacc cccctgcncc tccttggnctc 180
taantatgct aatg                                     194
```

<210> 2375

<211> 289

<212> DNA

<213> Homo sapiens

<220>

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<222> (20)

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<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

1688

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (226)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (250)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (285)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (286)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (288)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2375

```
acttgttctc ctgggaagcn cntaacaatt ttacacagga agacagctat gaccatgatt 60
acgccaaagct ctaatacgac tcactatagg gaaagctgmn acgcctgcag gtaccgggtcc 120
ggaattcccg ggtcgaccca cgcgtccggn caggcctaaa gccattttat agctattggc 180
ctaattgtgt aactttttct ttcaaaatgt tttattataa tacttntgtc atttctttca 240
cttaatatgn caattgtcat aataaaaatt taaatttgaa aaaannana 289
```

&lt;210&gt; 2376

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1689

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<220>  
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<220>  
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<222> (113)  
<223> n equals a,t,g, or c

<220>  
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<222> (129)  
<223> n equals a,t,g, or c

<220>  
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<222> (165)  
<223> n equals a,t,g, or c

<220>  
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<400> 2376  
caggaaacag cnatgaccat gattacgccca agctctaata cgactcacta tagggattgc 60  
tggnacgcct gcaggtaccg ggccggaatt nccgggtcga cccacgcgtc cgnaagatga 120  
tatcaatanc aatgccacct gcttgaaggc tatatgtgac aagtnactag aggntca 177

<210> 2377  
<211> 197  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (19)  
<223> n equals a,t,g, or c

<220>  
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<222> (28)  
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<220>  
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## 1690

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<220>

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<222> (82)

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<220>

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<222> (95)

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<220>

<221> misc feature

<222> (137)

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<220>

<221> misc feature

<222> (167)

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<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<400> 2377

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tctcttggat aacaccctna cacagganac agctatgacc atgattacgc caagctctaa 60
tacgactcac tataggnaaa gntggtacgc ctgcnggtac cgggccggaa ttcccggggtc 120
gacccacgcg tccgtgntaa ggctgctagc cacctgtttt gctaganaca ggncgaccta 180
cnttacttga gtnccag                                     197
```

<210> 2378

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

1691

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

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<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

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<220>

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<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

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<220>

<221> misc feature

<222> (294)

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<220>

<221> misc feature

<222> (353)

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<220>

<221> misc feature

<222> (355)

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1692

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<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<400> 2378  
ttaaantgaac ncccntacac aggacacagc tatgaccatg attacgccaa gctctaatac 60  
gactcactat aggnaaaagct gttacgcctg cangtaccgg tccggaattc ccggnctgac 120  
ccacgcgtcc gcctttgggg tacataaaaat gtcgggttct ctgaattttt tatcgaattt 180  
agaatgtctg ctacattttat ttaacttctg caaatgctta aaatgaaaac attttggaan 240  
tgcgaggatt tttgtcaagc ggattgntct cttcatatat taaatgttta cttnatatct 300  
ttaatccgaa acattaaaat agcattgaag aggcatgatt ttcaagatta agngngctat 360  
gnantaggaa tacgctttta aagaacga 388

<210> 2379  
<211> 395  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
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<222> (89)  
<223> n equals a,t,g, or c

<220>



1693

<221> misc feature  
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<220>  
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<222> (307)  
<223> n equals a,t,g, or c

<220>  
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<222> (370)  
<223> n equals a,t,g, or c

<220>  
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<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (393)  
<223> n equals a,t,g, or c

<400> 2379  
ttggtantta gctgnaacgc ctgcaggtac cgggccggaa ttccccgggtc gacccacgcg 60  
tcntttcant tattttaata aataactgnt gtgtacaaaa aaaaaaaaaa agggcggccg 120  
ctctagagga tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc 180  
acctaaattc aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt 240  
tacccaactt aatcgccctg cagcacatnc ccccttcgcc agctggcgta atagcgaaga 300  
ggcccgnaac gatcgccctt cccaacagtt gcgcagcctg aatggcggaat gggacgcgcc 360  
ctgtagcggg gcattaagcg cggnggntgt ggngg 395

<210> 2380  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)

1694

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

1695

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (421)  
<223> n equals a,t,g, or c

<400> 2380  
atnatgnaaa acttcgtcac tatTTtgnca gatggtaccc ctgcnggtac cggTccggaa 60  
ttcccggtgc gacccantcg tccgcttttt ctagatcgcg agcggccgct ctagagganc 120  
caagcttacg tacgcgtgca tgcgacgnca tagctcttct atagtgtcac ctaaattcaa 180  
ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa 240  
tngccttgca gnacatcccc ctttcgncag ctggcgtaat agcgaagagg cccgcaccga 300  
tcgccctttc caacagttgc gcagcctgaa tggcgaatgg gacgcgccct gtagcggcgc 360  
attaagcgcg gcggnTgtgg nggttacgcg cagcgtgacc gttacacttg ccagaantnc 420  
nag 423

<210> 2381  
<211> 258  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

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<220>  
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<222> (23)  
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<220>  
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1696

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<220>  
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<222> (103)  
<223> n equals a,t,g, or c

<220>  
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<222> (171)  
<223> n equals a,t,g, or c

<220>  
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<222> (183)  
<223> n equals a,t,g, or c

<220>  
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<222> (189)  
<223> n equals a,t,g, or c

<220>  
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<222> (218)  
<223> n equals a,t,g, or c

<220>  
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<222> (236)  
<223> n equals a,t,g, or c

<400> 2381  
aaaaaaaaaa aaangaaaaa annaagggcg gccgctcnag aggatccaag ctnacgtacg 60  
cgtgcatgcg acgtcatagc tcttctatag ggtcacctaa atncaattca ctggccgctcg 120  
ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaggggg ncgggcagca 180  
cancctccnt tcgccagctg gcggaagagc gaagaggngc cgcaccgatc gccctngcca 240  
acagttgcgc agcctgaa 258

<210> 2382  
<211> 306  
<212> DNA  
<213> Homo sapiens

<220>  
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1697

<220>  
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<222> (34)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
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<220>  
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<220>  
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<220>  
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<222> (306)  
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1698

&lt;400&gt; 2382

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gaaaaaantaa aaaaaaaaaag ggcgggccgct ctanaggatc caagcttacg tacgcntgca 60
tgcnacgtca tagctcttct atagngtcac ctaaattcaa ttcactggcc gtcgttttac 120
aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc 180
ctttcgccag ctggcgtaat agcnaaaagg cccgcaccga tcgcccttnc caacagttgc 240
gcagcctgaa tgggcnaatg gggacgcgcc ctgtaaccgg ggcattaagc ncggcggggt 300
ggtngn                                     306
```

&lt;210&gt; 2383

&lt;211&gt; 537

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (25)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (125)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (127)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (154)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (272)

1699

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

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<220>

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<222> (289)

<223> n equals a,t,g, or c

<220>

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<222> (302)

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<220>

<221> misc feature

<222> (307)

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<220>

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<222> (315)

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<220>

<221> misc feature

<222> (320)

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<220>

<221> misc feature

<222> (327)

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<220>

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<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

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<220>

<221> misc feature

<222> (344)

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## 1700

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<220>  
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<222> (353)  
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<220>  
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<220>  
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<222> (363)  
<223> n equals a,t,g, or c

<220>  
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<222> (369)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (391)  
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<220>  
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<220>  
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<222> (501)  
<223> n equals a,t,g, or c



1701

<220>  
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<222> (502)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (529)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

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ggactagttc tanatnncca gcggncgctc tagaggatcc aagcttacgt acgcgtgcat 60  
gcgacgttat agctattcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120  
acgtngngac tgggaaaacc ctggcggttac ccancctaat cgccttgacg cacatcccc 180  
tttcgccagc tgggtgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg 240  
caaactgaat ggcgaaatggg accctgccct gnaacggggc anttaagcnc ggtgggtggg 300  
gnnggtncct ccaangtgan ccgttcnttg cngcgcccta cncncgntct ttngttttct 360  
ncnttccttc tcgncacgtt cgcggntttc ncgaaagctc taaatcgggg gctcccttta 420  
gggttcgat ttaagggttt tacgggacct cgaccncaa aaacttgatt agggatgatg 480  
ttcacgtagt gggcccatag nctgatata cggtttttcg ccctttgang ttggaan 537

<210> 2384  
<211> 204  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (42)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (128)  
<223> n equals a,t,g, or c

<220>  
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<222> (154)  
<223> n equals a,t,g, or c

1702

<220>  
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<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<400> 2384  
gcccacgcgt ccggtattat attaaaatac taaaaatcct anaaaaaaaaa aaaaaaaaaa 60  
gggcggccgn tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc 120  
tatagtgnca cctaaattca attcactggc cgtngtttta caacgtngtn actgggaaaa 180  
ccctggcggt acccaacnta atcg 204

<210> 2385  
<211> 544  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (505)  
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<220>  
<221> misc feature  
<222> (511)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

1703

<220>  
<221> misc feature  
<222> (533)  
<223> n equals a,t,g, or c

<400> 2385  
nggaaactca tataaaatga gctttcctaa attaaatcta ttttaaataa agggttattac 60  
tattaaaaaa aaaatcagag aaaatcctct gtagaaaaaa tacacaaaga acatttctac 120  
agaggatttt ctctgatttt attttctttg tttctgactc taataattag ttggaaactc 180  
atataaaatg agctttccta aattaaatct attttaaata aaggttatta ctattaaaaa 240  
aaaaaaaaaa aagggcgggc gctctagagg atccaagctt acgtacgctg gcatgcgacg 300  
tcatagctct tctatagtgt cacctaaatt caattcactg gccgtcgttt tacaacgctg 360  
tgactgggaa aaccctggcg ttacccaact taatcgctt gcagcacatc cccctttcgc 420  
cagctggccg taatagcgaa gagggccgca ccgatcgccc ttcccaacag ttgcgcagcc 480  
tgaatggcga atgggacgcg cccntnaacc ngcgcattna acnccgcggg gtngttgtgg 540  
gtta 544

<210> 2386  
<211> 212  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

1704

<220>  
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<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<400> 2386  
gtganntaga cctcttntgc cagnengact atagggaaag ctggtacgcc tgcaggtacc 60  
ggtccggaat tcccgggtcg acccacgcgt ccgccagct gctccgctca gagccttttc 120  
ctctccactt cctgttcaca cagggggggg cggaagtgg agggaggaag ttgggggggag 180  
gcgtgtaggg gggacccatt gnntgnnngg aa 212

<210> 2387  
<211> 145  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

1705

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<400> 2387  
gacaantnct agatcgcgag cggccgctct ataggatcca agcttacgta cgcgtgcatg 60  
cgacgtcata actcttctnt tgtgtcncct aaatncaatt cactggccgt cgttttacaa 120  
cgtcgtgact gggaaaaccc aangn 145

<210> 2388  
<211> 137  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
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<222> (33)  
<223> n equals a,t,g, or c

## 1706

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<220>  
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<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<400> 2388  
taggatncan acttacattc ccnttcattg nanatcataa ctcttctata gtgtcaccta 60  
aattcaattc actggccgctc gttttacaac gtcctgactg gganancaaa aacnnaagaa 120  
attgnaaggc cggcgcg 137

<210> 2389  
<211> 162  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (15)  
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<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>

1707

<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
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<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<400> 2389  
gactagttct aggancgcga gcggncgctc tagaggatcc aagcttacgt acgcgtgcat 60  
gcgacgtcat agctcttcta tagtgtcacc taaatncaat tcactggccg tcgttntaca 120  
acgtcgtgac tgggaaaacc caagggngag ctgtggatch na 162

<210> 2390  
<211> 155  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (146)  
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<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1708

&lt;222&gt; (154)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2390

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gactagttct agtatcgaga ggggcccgtc tagaagatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaacccc aaaagngggg tnnnt 155
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&lt;210&gt; 2391

&lt;211&gt; 161

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2391

```
aagcttacgg tacgcgtgca tgcgacgtca tagctcttct atantgtcac ctaaattcaa 60
ttcaactggcc gtcgttttac aacgtcgtga ctgggaaaac ntntnaaaga gttgtaaaag 120
aggccntgaa ttgaatttag tganatatag aagactatga t 161
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&lt;210&gt; 2392

&lt;211&gt; 480

&lt;212&gt; DNA



## 1709

<213> Homo sapiens

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<400> 2392

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ggagaataaaa agaaattcct atttgaaatg aattcctcat ttggaggaaa aaaagcatgc 60
attctagcac aacaagatga aattatggaa tacaaaagtg gctccttccc atgtgcagtc 120
cctgtccccc cccgccagtc ctccacaccc aaactgtttc tgattggctt ttagcttttt 180
gttggttttt ttttccttct aacacttgta tttggaggct cttctgtgat tttgagaagt 240
atactcttga gtgtttaata aagttttttt ccaaaaaaaaa aaaaaaaggc cgggccgntc 300
tagaggatcc aagcttacgt acgccgtgca tgcgacgtat aactctttat agnggcacct 360
aaattcaatt cactgggccc gtcgtttaca cgncttgact gggaaaaccc tggngttacc 420
caacttaanc gccttggagn aaatccccct tttgccaatt ggggtataac caaaaaggcc 480
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<210> 2393

<211> 105

<212> DNA

<213> Homo sapiens

## 1710

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<400> 2393  
atatagtgtc acctaaattc aattcactgn ccgcgnttta caacntantg actgggaaaa 60  
ccctggcggtt ncccaactta atcgcccttgc agcacatccc ccttt 105

<210> 2394  
<211> 476  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>

1711

<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1712

<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
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<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
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<222> (304)  
<223> n equals a,t,g, or c

<220>  
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<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (406)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)

1713

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<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<400> 2394

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gccgcggntg ggccttnanc cccgngcgcc gcanaccgt cgaggacncg cacctgccgc 60
ggctggtgag ccgcacgcca ggcaccgnac ccanatacga nactcgtac ctgggcagcg 120
cgcgggagcg ncaggcgcggt tccgagggcn ccagccncgg tggcagnctg gagacgcat 180
ccaagcggag cgcgcagatc ggcccgcgca ncgcctccta ctacgcttgg tcgncgcccg 240
gcanctacaa ggccggnctg tcgcaggacg accaggagga cgcgtgcgac gacgcgctgt 300
cgcnctacag cnagctggag ctgacccgcn gtngtccta tcgtggccgc tctanaggat 360
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagnncn cctaaatnca 420
attcactggc cgtcgnttta caacgtcgtg actgggaaaa ccctgggggtt acccaa 476
```

<210> 2395

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

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<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

1714

<220>  
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<222> (334)  
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<220>  
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<220>  
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<222> (374)  
<223> n equals a,t,g, or c

<220>  
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<222> (376)  
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<220>  
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<222> (377)  
<223> n equals a,t,g, or c

<220>  
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<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
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<222> (436)  
<223> n equals a,t,g, or c

<220>  
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<222> (470)  
<223> n equals a,t,g, or c

<220>  
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<222> (483)  
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## 1715

&lt;400&gt; 2395

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gcngtcattg agttactagc atttatctca ttggaacttt gacgccaaca aagccaccca 60
gctgagatct gttaactcat tataggttta atttgttggt tcttagtttt gtacaagcag 120
aatantaaca ttttaagtca cttaatgaac agttcaactt aaaagacaaa ttcagtcatt 180
gagttactag catttaaaaa aaacttttat actataaacc catgttagta taaagtgtaa 240
atgtaacaat aaaatccagc aaagtaaaaa aananaaaaa gggcggccgc tctagaggat 300
ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtgtca cctaaatnca 360
attcactggc cggngnnttt acaaccgtcg tgactgggaa aaaccctggc gttacccaac 420
ttaatcgnct ttgcnnngcac atccccctt ttcggcagct ggcgtaaatn gcgaaagaag 480
gcncg 485
```

&lt;210&gt; 2396

&lt;211&gt; 234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (66)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

1716

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<400> 2396  
ccaacagtng cncagcctga atggcnaatg gcacgcgccc tgtagcggcg cattangcgc 60  
ggcggntgtg gtggatacgc gcagcgtgac cgctacactt gccagcnccc tacgcccgt 120  
cctttngctt tacttccctt cctttctcgc caggttcagc cggctttccc cgncaaagct 180  
tntaaatcgg ngggcttccc tttaggggt cccgatttta gnggcctttt acgg 234

<210> 2397  
<211> 334  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
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<222> (12)  
<223> n equals a,t,g, or c



1717

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (315)  
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<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<400> 2397

## 1718

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ctgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tngttttaca 120
acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgacag cacatncccc 180
tttcgccagc tggngtaata gcgaagaggc ccgcaccgat cgcacttccc aacagttgcg 240
cagcctgaat ggcgaaatggg acgcgccttg tagcggcgca ttaagngcgg cgggtgtggt 300
ggttacgcgc ancgngacng ctacacttgn cagt 334
```

<210> 2398

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

1719

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<400> 2398  
cgtgcatgcg acgtcatagc ngnnctatan tgnccacetaa attcaattca ctggccgctcg 60  
ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 120  
atcccccttt cgccagctgg cgtaatagcg aagaggcccc caccgatcgc ctttcccaac 180  
agttgcgcag ctgaatggcg aatgggacgc gccctgtagc ggcgcaataa gcgcggcgggg 240  
tgtggnggta cccncaacgt gaccgtacac ttggcnagnng ccctaacggc ccggttcctt 300  
tngettt 306

<210> 2399  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1720

<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (488)  
<223> n equals a,t,g, or c

<400> 2399  
gacgttactt ccagattanc caggacgaag aagaggagga agacnaggat taaatttcat 60  
ttatctggaa aattttgtat gagttcttga ataaaacttg ggaacaaaaa aaaaaaaaaa 120  
aaaanaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 180  
agctcttcta tagtgncacc taaattcaat tcactggccg tcgttttaca acgtcgtgac 240  
tgggaaaacc ctggcggttac ccaacttaat cgccttgacg cacatcccc tttcgccagc 300  
tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg cagcctgaat 360  
ggcgaatggg acgcgccctg tagcggcgca ttaagcgcgg cgggtgtggt ggttacnccg 420  
cagcgtgacc cgctacactt gccagngecc taccgccccg ntccttcgct ttcttccctt 480  
cctttntngc cacgttcgcc cg 502

<210> 2400  
<211> 327  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1721

<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<400> 2400  
ngantttacaa cgncnngact gagaaaaccc tggcggtacc caacttaatc gccttgcagc 60  
acatccccct ttcgccagct ggcgtaatag cgaagaggcc cgcaccgatc gcccttccca 120  
acagttgcgc ancctgaatg gcgaatggga cgcgcctgt agcggcgcat taagcgcggc 180  
gggngtggtg ggtacgcgca gcgngaccgc tacaattgca gcgcctagcg ccgctctttc 240  
gcttcttctt tctttctcgc acgtcggcgg ttttcccgtn agctctaacg gggtccctta 300  
aggttcgatt aaggcttacg gacctcg 327

<210> 2401  
<211> 344  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

1722

<220>  
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<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>

1723

<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<220>  
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<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1724

<222> (296)  
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<220>  
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<222> (315)  
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<220>  
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<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

<400> 2401  
gtttgataga tagatccnaa cgttatctgc cactcaanat cattctnaaa actctgnatg 60  
ccatgggtttt caatacgttc aatgttctac actggcaaag aattnatgac cagtctctcc 120  
catatcacaa catcacttat ncctgatttc acctanaaan gactcnattc tttgtctcat 180  
gtctntncac cacatnatnt ccntnnngtn atccaatatg ccncatnang acnaattcct 240  
tcctgtcaca atttgataacc cctccggcat actctatctt ggggaaaacg tcaganacaa 300  
tcctgactcc gtctnaccnt anaccacnct cttggactct tttg 344

<210> 2402  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
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<222> (245)  
<223> n equals a,t,g, or c



1725

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<400> 2402  
gacacccccct tactgccccca agatacagtc gcccccgat tegtcccaag ggacaacctc 60  
cgacgcgtct ctttggacgc caccccaagg ctgtccctgg acgcagncgt cccagagacc 120  
ccggaaccca ccagtgcctt ggacggnggt cccagcaact ttggagctgg ccgcagtgtg 180  
ccaggggtctc tctgtgtctc cagagccctg tctgtcgtg ggagctccat ctctcctgcc 240  
ccacncatna tgccagagac tgcagcctca gaccnnngg angtgctgga gccacagtgc 300

## 1726

```

agaggtggtg cccaactcag aggaccaggg accgggcgcc gccttccagc tcagtgaanc 360
aagccctacc cagagctcan gcctgcagtt cagtggctgt cctgaacttt ggcaagaana 420
tctggagggg gcncnactgg gcat 444

```

<210> 2403

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (472)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<400> 2403

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ttttggctgg ctggcccca ggaagaggan atggatntgg acatacctgc tgtgaaagtg 60
aaagaggagc cagagatga ggaggaagag gccaagatga aggtcctcc caaagcagcc 120
aggaagactc caggcctccc gaaggatgta tctgtggcag agctgctgag ggagctgagc 180
ctcaccaagg aagaggaact gctgtttctg cagctgccag acaccctccc tggccagcca 240
cccaccagc acatcaagcc tatcaagaca gaggtgcagg gcgaggacgg acaggtggtg 300
ctcatcaagc aggagaaaga ccgagaagcc aaattggcag agaatgcttg taccctggct 360

```

## 1727

gacctgacag aggggtcaggt tggcaagcta ctcacccgca agtctggaag ggtgcaactc 420  
cttttgggca aggtgactct ggacgttgac catgggaact gcctgctcct tncatgnagga 480  
gctgggtgtcc gtgggccttg nagacagtnt gacatntgag at 522

<210> 2404

<211> 168

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<400> 2404

ggatcgctgc agcgagggtc tggcggctaa acggtggttt gagccaggct gccctcctgc 60  
tgctgcggca gcctggggct cggggactgg ctagatctgt gactacctgg gccccaggcg 120  
gttttcccaa aggggattan ggatgtaaag gctatcttca nantgngn 168

<210> 2405

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1728

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (467)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (504)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (513)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (516)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (521)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (568)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2405

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gggcctgcag agcaacatgc ccaagtttta ttgtgactac tgcgatacat acctcaccca 60
tgactctcca tctgtgagaa agacacactg cagtggaagg aaacacaaag agaatgtgaa 120
agactattac ctctactcc attctctgct cctcctcctg caggggcgat gataccacct 180
ccccccagcc ttccgggtcc tcctcgccct ggtatgatgc cagcacccca tatggggggc 240
cctcccatga tgccaatgat gggccctcct cctcctggga tgatgccagt gggacctgct 300
cctggaatga ggccgccatg ggaggccata tgccaatgat gcctgggccc ccaatgatga 360
gacctcctgc ccgtcccatg atggtgcccc ctcgggccga atgactcgac cagacagata 420
aggatagagg ggaggcctta ttggatcggn ttatattacc tgnctgntta ccaggagatc 480
atgctgctgg gatactgagt ttntaaaca gcntanggaa nacttgggcc ccttgtccta 540
tgaaaagaga atagtttttg aggggaanaa atgg                                     574

```

&lt;210&gt; 2406

&lt;211&gt; 483

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

1729

<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
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<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<400> 2406  
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ggccttgagc gctgagcaag caaagggtgt cctcgcggag gtgatccagg cgttctccgc 180  
cccggagaat gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtgt 240  
ccttaagttt gctcgtttgg tcaagtccta cgaagcccag gatcctgaga tcgccagcct 300  
gtcaggcaag ctgaaggcgc tgtttctgcc gcccatgacc ctgccacccc atgggcctgc 360  
tgctggtggc agcgtggccg cctcctgaga gttggccctc ccttgtgcca ctgccagggg 420  
aggaaaggcc ttgatgttcc agacaataat naatgcncct gtgacttana aaaaaaaaaa 480  
aan 483

<210> 2407  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>

## 1730

<221> misc feature  
 <222> (365)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (487)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (488)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (497)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (501)  
 <223> n equals a,t,g, or c

<400> 2407  
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 tgaagccaga gaaaggaaa ccaagatgac agattttgat cgtttttaaag ttatgaaggc 120  
 aaagaaaatg aggaacagaa taatcaagaa tgaagttaag aagcttcaaa aggcagctct 180  
 cctgaaagct tctcccaaaa aagcacctgg tactaagggt actgctgctg ctgctgctgc 240  
 tgctgctgct gctgctgcta aagttccagc aaaaaagatc accgccgcna attaaaaagc 300  
 tcccacccaa aagggttctg cccanaaaagc cacaggccan aaagcacgcc tgctccaaaa 360  
 ctcanaaaagg tcaaaaaactc caccagaaa cactctccaa agctctggca aaaaacatat 420  
 tgcatacataa aattataagt cttttgactg ttanaatgta aaaaaaaaaa ggggcctcta 480  
 aagacanntc ttccttntca ntc 503

<210> 2408  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (7)  
 <223> n equals a,t,g, or c

<220>

1731

<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
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<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
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<222> (348)  
<223> n equals a,t,g, or c

<220>  
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<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
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<222> (365)  
<223> n equals a,t,g, or c

<220>  
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<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1732

<222> (380)  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (577)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (584)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (593)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (595)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (621)  
 <223> n equals a,t,g, or c

<400> 2408

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acgcgtccgc	tcatggaaaa	ggagttccct	ggatttttgg	aaaatcaaaa	agaccctctg	120
gctgtggaca	aaataatgaa	ggacctggac	cagtgtagag	atggcaaagt	gggcttccag	180
agcttctttt	ccctaattgc	gggcctcacc	attgcatgca	atgactattt	tgtagtacac	240
atgaagcaga	agggaaagaa	gtaggcagaa	atgagcagtt	cgctcctccc	tgataagagt	300
tgteccaaag	ggtcgcttaa	ggaatctgcc	ccacagnttn	ccccatanaa	agganttang	360
gaccnnaanc	aggacacttn	agcaaatgta	aaaataaaaat	ctaactctca	tttgacaagc	420
agagaaagaa	aagttaaata	ccagataagc	ttttgatttt	tgnattggtt	gcataccctt	480
gccctcaata	aataaagttc	tttttttagtt	ccaaaaanaa	aaaaaaagg	cggccgctct	540
aaaggatcca	agcttacgta	cgcgtgcatg	cgacgtnata	gctnttctat	agnngncacct	600
aaattcaatt	cactggccgg	nggtttacaa	cg			632



1733

&lt;210&gt; 2409

&lt;211&gt; 320

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (135)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (137)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (139)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1734

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<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
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<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<400> 2409  
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cgcttttcgag cgcntttccc ctgntgacat cgacactcat acagngaaaag tatgaccctt 120  
ccctgaagcc cctgncngnt tcctatgata aagcaacttc cctgaggatc ctcaacaatg 180  
gtcatgcttt caacgnggag ttggatgact ctgaggacaa agcagtgtc aagggaggac 240  
ccctggatgg cactaacaga tggattaagc ttcactttaa ctgggggttna cttnatggac 300  
aaaggntnaa aacatactng 320

<210> 2410  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

1735

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
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<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (177)  
<223> n equals a,t,g, or c

<220>  
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<222> (247)  
<223> n equals a,t,g, or c

<220>  
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<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

1736

&lt;400&gt; 2410

```

gagctcccg c tggcctttc caaaggccac agaggaggna aaagcatcta agcctcacca 60
tgaatggccc agtggnaccc antttgcccg gacagggggac cccaatagca angctctgcc 120
tccttggccc caattcaacc aggcggaaac aattttctgga aatcaaccca ntgccanggg 180
ccggacaaaa tttcaggagg gcttgatgc tattctgggtc aaaaaccctc cccaacaaaa 240
tacaacntgg ccccanancc aaaaaaaccc gaagggccct ggaggggactn ctgaaggcag 300
gcctaaanct ttcttggggg tggggcaaac caa 333

```

&lt;210&gt; 2411

&lt;211&gt; 652

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (607)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2411

```

gggcttcaac gacgagctgg aagccttcaa ggagcgtgtg cggggccgtg ccaagctgcg 60
catcgagaag gccatgaagg agtacgagga ggaggagcgc aagaagcggc tcggccccgg 120
cggcctggac ccgctcgagg tctacgaatc cctccctgag gaactccaga agtgcttcga 180
tgtgaaggac gtgcagatgc tgcaggacgc catcagcaag atggaccca cgcacgcaaa 240
gtaccacatg cagcgtgca ttgactctgg cctctgggtc cccaactcta aggccaagcg 300
aaggccaagg agggagagga ggcaggtcct ggggacccat tactggaagc tgttcccaag 360
acgggcgatg agaaggatgt caagtgtgtg acctgcccc gctaccaccg tcacctgctt 420
ccaggccccct atgtgcccc tttcagaaaa cagatagatg ccatctcgcc cgctcctgac 480
ttctctactt gcgctgctcg gccagcctg gggggcccg cagcctcctg gcttttctact 540
gtttcactct cagcgccatt aagtctctgc ttagtcaag gggcttctact gctgaagccc 600
catacantat gcaaggccgg gtccgggagg cagagtacca gctgtctaca gt 652

```

&lt;210&gt; 2412

&lt;211&gt; 532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (489)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2412

```

aggctttatc atcgacgata gcgtacttta tagcgggtgcc agcctgaacg atgtttacct 60
gcatcagcac gataaatatc gctacgaccg ttatcatctg atccgtaacc gtaagatgtc 120
agacattatg tttgaatggg ttacacagaa tattatgaat ggccgcgggc ttaatcgtct 180
ggatgatgtt aatcggccaa aaagcccggg aatcaagaac gatattcgtc tgttccgcca 240
ggagctgcgt gatgccgctt atcatttcca gggcgatgcc gacaacgatc agctttctgt 300
aacgccgcta gtggggctgg ggaaatcgag tctgttgaac aagaccattt tccatcttat 360
gccttgtgcc gagcagaaac taaccatctg tacgccatac ttcaacctgc cagcaatcct 420
tgtgcgcaat attatccagt tgctgcgcga agggaaaaag gtcgaaatta ttgttggtga 480
taaaaccgng aatgactttc acattccgga agatgaacct ttcaagataa tt 532

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1737

<210> 2413  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (14)  
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<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
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<222> (33)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
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<222> (381)  
<223> n equals a,t,g, or c

<220>  
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<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

1738

&lt;400&gt; 2413

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ggcacgagct cgtncgtttg gnaggggggtt gtnccctcct tcgatgcatt ccagccttgg 60
actcattgac tccagctaata gaagatcaaaa aaattgggtat agaaattatt aaaagaacac 120
tcaaaattcc agcaatgacc attgctaaga atgcagggtgt tgaaggatct ttgatagttg 180
agaaaattat gcaaagttcc tcagaagttg gttatgatgc tatggctgga gattttgtga 240
aatatgggtgg aaaaaggggaa tcattgaccc aacaaagggtt gtgaaganct gctttatttg 300
ggtgctgctg gtgtggggccc ctctgtttaa cctacagcag aagttttagtag gtccccagna 360
attcccaaag aaggagaagg ncccctggaa tgggtgcaat gggtnngaat tgggagggttn 420
gtatttgga ggtggcatnt tcct 444
```

&lt;210&gt; 2414

&lt;211&gt; 318

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (2)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1739

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<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
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<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
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<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

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gccctcagca gcttggcacc cagactacan ctgaacgtga atcacaagcc agcaacacca 120  
aggtgacaag agattngccc aaatcttgtg acaaaaactac acatgcccac cgnnccagac 180  
ctgaactcct ggggggaccg cagcttctct tccnccaaaa cccaagacac gctatgatct 240  
cccgncacct gagncacatg cgtggtggtg acngtagcca cgaagaccct gaggcaagtc 300  
aactggacgt ggacngcn 318

<210> 2415  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

1740

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
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<222> (107)  
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<220>  
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<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
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<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c



1741

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (406)  
<223> n equals a,t,g, or c

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ccggccggtt ctccggggcn cccggggggg gaaaaagggg gccttcntta aggaaaaaaa 120  
aagggggggg ccngcccaa ttggggccgn aatccccaaa accccaattc cggggccaag 180  
gccccggaat ttccccgtgg gttcttttgg gaatccaacc ggggggggtg ggggaaaggg 240  
gggaaacccc gtcggggccg tnccttgcc gtggnggggc cccattgggg ggtggaagaa 300  
ccacctcaa gttactggag acctanagtc cagaatgctt gtagtgagcc aagtcagtgt 360  
tctaagtatt tatttaaaac aaaagaatcn ccgttaaaan acatnn 406

<210> 2416  
<211> 648  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1742

<222> (456)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (460)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (465)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (473)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (581)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (583)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (586)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (624)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (647)  
 <223> n equals a,t,g, or c

<400> 2416  
 ggagttcagc tatgaactct ccaaagtggg agggaaaaca gggacccctg agaagcccct 60  
 ctacagacctt ggccctctat cctatcgaag ctactggtcc cagaccatcc tggagatcct 120  
 gatggggctg aagtcggaga gcggggagag gccacagatc accatcaatg agattagtga 180  
 aatcaccagc atcaagaagg aggatgtcat ctccactctg cagtacctca atctcatcaa 240  
 ctactacaag ggccagtaca tcctcacact gtcagaggac atcgtggatg gccatgagcg 300  
 ggccatgctc aagcggcttc tgcggatccg acttcaagtg tctgccttna ttcccaggga 360  
 ctggaanaag aaggggggaa ntggtgacca gacactggcc actggaattg cccaagacgg 420

## 1743

```

gnagcagggga cttggggggct tgaatagccc aatncnggcn cccanttgga agnttcccac 480
aaaagcaact tttaagggga aaatggggct tgaggggacaa gttcaaaaaa gggataggac 540
cagggccttg gcagggggcc ccaactgggtg gcccacacc nangcnaagc ttccgggctt 600
aagaccaact ttcaaaggctc aagntgggccc caaggcccaa ggcttcnt 648

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<210> 2417

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<400> 2417

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ggctacacta gagcagagta cgagtctgag gcgaggaggag taatggcagg acaagcgttt 60
agaaagtttc ttccactctt tgaccgagta ttggttgaaa ggagtgctgc tgaaactgta 120
accaaaggag gcattatgct tccagaaaaa tctcaaggaa aagtattgca agcaacagta 180
gtcgtgttg gatcgggttc taaaggaaa ggtggagaga ttcaaccagt tagcgtgaaa 240
gttgagagata aagttcttct cccagaatat ggaggcccaa agtagttcta gatgacaagg 300
attatttctt atttanagat ggtgacattc ttggaaaagta cgtagactga aataagtcac 360
tattgaaatg gcatcaacat gatgctgccc attccactga agttctgaaa tctttcgtca 420
tgtaaataat ttccatattt ctcttttata ataaactaat gataactaat gaaaaaanan 480
n 481

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<210> 2418

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

1744

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<400> 2418  
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cggtctctgc tacctctcgt gctttgcgtg gggctcggcg cacttggtt ttcttcgggg 120  
gccgagggct tccgcaagcg aggccctcg gtgacggcca aggtcttctt tgatgtgagg 180  
attggagaca aagatggttg cagaattgtg attggcctct ttggaaaagt tgtgccaag 240  
acagtggaaa attttggtgc tctagcaaca ggagagaaag gatatggata taaaggaagc 300  
aagttttcat cgtgtcatca aggatttcat gattnt 336

<210> 2419  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)

1745

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

1746

<220>  
 <221> misc feature  
 <222> (318)  
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<220>  
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 <222> (328)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (337)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (401)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (410)  
 <223> n equals a,t,g, or c

<400> 2419  
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 tgacctccgg cctaaccatg tgattncact tccactccat aacantcctc anannangcc 120  
 tactaaccaa nacactaanc atataccaat gatggcgcgga tgtatcacga gaaagcacat 180  
 accaaggcca ccacacacca cctgtccaaa aaggcctncg atacgggata atcntattta 240  
 tnacncana agtttttttc ttencaggat ttttctganc cttttaccac tcnancctag 300  
 cccctacccc ccaattanga aggcactngn ccccaanatg catcaccccg ctaaateccc 360  
 tagaatccca ctccctaaaca catccgtatt actcgcatca ngaatatcan 410

<210> 2420  
 <211> 536  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (80)  
 <223> n equals a,t,g, or c

<220>

1747

<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (410)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (418)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1748

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (468)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2420

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gcatgcctat catatagtaa aacccagccc atgaccccta acaggagccc tctcagccct 60
cctaattgacc tccggcctan ccatgtgatt tcaattccac tccataacgc tcctcatact 120
aggcctacta accaacacac taaccatata ccaatgatgg cgcgatgttn cacgagaaag 180
cacataccaa ggccaccaca caccacctgt ccaaaaaggc cttcgatacg ggataatcct 240
atttattacc tcanaaattt ttttcttcgc aggatttttc tgancctttt accactccag 300
cctagcccct acccccacat taggaaggca ctggccccca ncaagcatca ccccgctgaa 360
tcccctaaaa tccactccta aacacatccg tatattatcac atcaagaatn tcaatcanct 420
gaactcacca taatctatta gaaacaccna aancaatnat nccagcangg ttattacatt 480
ttatggtctc tatttacctc ctaaaaactca aatattcaat ctccttcaca tttcca 536
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&lt;210&gt; 2421

&lt;211&gt; 613

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (78)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



1749

<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (371)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (539)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (581)  
<223> n equals a,t,g, or c

<400> 2421  
caaaagggaa caaaaggmn agctccaccg cgggtggcgggt tgctctaaaa ctantggatc 60  
ccccgggctg caggaatncg gcacgaaatt tattacctca naagtttttt tcttcgcagg 120  
atTTTTctga gcTTTTtacc actccagcct agccccctacc cccaatttag gagggcactg 180  
gcccccaaca ggcataccccc cgctaaatcc cctaaaagtc ccactcctaa acacatccgt 240  
attactcgca tcaggagtat caatcacctg agtcacccat agtctaatan aaaacaaccg 300  
aaaccaaaata attcaagcac tgcttattac aattttactg ggtctctatt ttaccctcct 360  
acaagcctca nagtacttcg agtctccctt caccatttcc gacggcatct acggctcaac 420  
atTTTTtgta gccacaggct tccacggact tcacgtcatt attgggtcaa ctttcctcac 480  
tatctgcttc atccgccaac taatatttca ctttacatcc aaacatcact ttggcttcna 540  
aaccgccgcc tgatactggc attttgtaaa tgtggtttga ntatttctgt atgtctccat 600  
ctatggatga agg 613

<210> 2422  
<211> 391  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

1750

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<400> 2422  
gatgacccct aacaggagcc ctctcagccc tcctaattgac ctccggccta gccatgtgat 60  
ttcactttcca ctccataacg ctcttcatac taggcctact aaccaacaca ctaaccatat 120  
accaatgatg gcgcgatgta acacgagaaa gcacatacca aggccaccac acaccacctg 180  
tccaaaaagg ccttcgatac gggataatcc tatttattac ctcagaagtt tttttcttcg 240  
caggattttt ctgagccttt taccactcca gcctagcccc tcccccccaa ttaggaaggc 300  
actggccccc aacangnatc accccgctta atcccttana atttccactt cctaaacaca 360  
tccgtttttna tcgcatccgg gatttttncct c 391

<210> 2423  
<211> 459  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1751

<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (342)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (421)  
<223> n equals a,t,g, or c

<400> 2423  
gcgaccgttg actattctct acaaaccaca aagacattgg gaacactata cctattattc 60  
ggcgcatgag ctggaatcct angcacagct ctaagcctcc ttattcgagc cgagctgggc 120

## 1752

cagccangca accttctang taacgaacac atctacaacg ttatcgtcac agccatgcat 180  
ttgttataat cttcttcata gtaataccat cataatcgga agntttggna actgactagt 240  
cccctnataa tcggtgccccg atatgggggtt tccccgcata aacaaataac tctgaatctt 300  
actcctctct cctaatactg gtcgatctgc tntntggagg cngacaggaa naggtgaaca 360  
tctacncctt acaggaatat ccacctgaac ncgtaactac tctctcttnc taaagggttc 420  
ncttttgggc tcattctcca cattcttaac ccgctacat 459

<210> 2424

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (695)

<223> n equals a,t,g, or c

1753

<220>  
 <221> misc feature  
 <222> (712)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (723)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (726)  
 <223> n equals a,t,g, or c

<400> 2424  
 gcgctacttc ccctatcata gaagagctta tcacctttca tgatcacgcc ctcataatca 60  
 ttttccttat ctgcttccta gtcctgtatg cccttttcct aacactcaca acaaaaactaa 120  
 ctaataactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgccca 180  
 tcacccctagt cctcatcgcc ctcccatccc tacgcacccct ttacataaca gacgaggtca 240  
 acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300  
 ccgactacgg cggactaatc ttcaactcct acatacttcc cccattattc ctagaaccag 360  
 gcgacctgcg actccttgac gttgacaatc gagtagtact cccgattgaa gccccattc 420  
 gtataataat tacatcacia gacgtcttgc actcatgagc tgtcccacat taggcttaaa 480  
 aacagatgca attcccggac gtctaaacca aaccactttc accgctacac gaacggggggg 540  
 tatntacngt caatgctctg aaatctgntg gancaaacca cantttcatg cccatcgtcc 600  
 taagaattaa ttcccctaaa aatctttgaa attagggccg tntttaccta tagcaccct 660  
 ctaccctct tgaacaaaaa aaaaaanaa atccnagggg gggccggccc cnttcccccc 720  
 atntgntttt ttaaattccc ggggcgc 747

<210> 2425  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (396)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (494)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (503)  
 <223> n equals a,t,g, or c

1754

<220>  
<221> misc feature  
<222> (507)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2425  
gcgctacttc ccctatcata gaagagctta tcacctttca tgatcacgcc ctcataatca 60  
ttttcccttat ctgcttccta gtcctgtatg ccccttttcc aacactcaca acaaaactaa 120  
ctaatactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcga 180  
tcctcctagt cctcatcgcc ctcccatccc tacgcctcct ttacataaca gacgagggtca 240  
acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300  
ccgactacgg gggactaatc ttcaactcct acatacttcc cccattattc ctagaacagg 360  
cgacctgcga ctcccttgacg ttgacaatcg aattantact cccgattgaa gcccccatte 420  
gtataataat tacatcacca agaagtcttg gcctccatta aactttttcc cccacattta 480  
gggcttttaa aaanaaaaaat gcnattnccc cggnaacttt cttaaanccc aaacc 535

<210> 2426  
<211> 563  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (556)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (557)  
<223> n equals a,t,g, or c

1755

<220>  
<221> misc feature  
<222> (558)  
<223> n equals a,t,g, or c

<400> 2426  
ctcagacgct caggaaatag aaaccgtctg aactatcctg cccgccatca tcctagtcct 60  
catcgccctc ccacccctac gcacccctta cataacagac gaggtcaacg atccctccct 120  
taccatcaaa tcaattggcc accaatggta ctgaacctac gactacaccg actacggcgg 180  
actaatcttc aactcctaca tacttcccc attattccta gaaccaggcg acctgcgact 240  
ccttgacgtt gacaatcgag cagtactccc gattgaagcc cccattcgta taataattac 300  
atcacaagac gtcttgact catgagctgt cccacatta ggcttaaaaa cagatgcaat 360  
tcccggacgt ctaaaccaaa ccactttcac cgctacacga ccgggggtat actacggtca 420  
atgctctgaa atctgtggag caaaccacag ttctatgccc atcgtcctag aattaattcc 480  
cctaaaaatc ttgaaatag ggnccgtatt taccctatag canccctctt aaccctctta 540  
gagccaaaaa aaaaannnaa aaa 563

<210> 2427  
<211> 536  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (431)  
<223> n equals a,t,g, or c

1756

<220>  
 <221> misc feature  
 <222> (457)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (475)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (486)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (497)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (535)  
 <223> n equals a,t,g, or c

<400> 2427  
 nagaancatg gatccccngg ctgcagantc ggcanagtaa cagacgaggt caacgatccc 60  
 tcccttacc a tcaaataaat tggccaccaa tggtagtgaa cctacgagta caccgactac 120  
 ggcgagactaa tcttcaactc ctacataact cccccattat tcctagaacc aggcgacctg 180  
 cgactccttg acgttgacaa tcgagtagta ctcccgattg aagcccccat tcgtataata 240  
 attacatcac aagacgtctt gcaactcatga gctgtcccca cattaggctt aaaaacagat 300  
 gcaattcccc ggacgtctaa accaaaccac ttccaccggg acacgaccgg ggggtatact 360  
 acgggtcaat gctctggaaa tctggtggga gcaaaccaca gtttcatggc ccatcgctct 420  
 agaattaatt nccccataaa atctttggaa taggggnccg tatttaccct atagnaaccc 480  
 ctctancccc tctagnggcc aaaaaaaaaa aaaaaactgg gggggggccg ggaanc 536

<210> 2428  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c



1757

<220>  
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<220>  
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 <222> (466)  
 <223> n equals a,t,g, or c

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 tgttttagaga taaatattat ttgcaacaat attcatctca tctcaagaaa cgctcctata 120  
 gggatatggag aatttaaagg acctgtagggt tatgatgatt ataacgaaat aaccaaagca 180  
 ggatttcaat gaccagccca caaaagtatc ctgtgtacta ctgggttggga ggtggagggg 240  
 ggttgttctt aagtaagaac ccctaacatg taactctgtg gtttttatgt ttcattaact 300  
 atttaattcta ccaatatgga actaggttca ntaagaagaa ngacagcnta gatccttaca 360  
 tatacacacc ctttggaact ggacccaaaa ctgcattggc atgagggttt gctctcatga 420  
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<210> 2429  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

1758

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<400> 2429  
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catggccagg gatgtgcaga acaccttcta cgacatcgtg gctgagctcg gggccatgga 120  
gcacgcgcag gcggtggact acatcaagaa actgatgacc aagggccgct actccctgga 180  
cgtgtggagc taggggcctg cctgccccac ccaccccaca gactccggcc tgtaatcagc 240  
tctcctggct cctcccgta gtctcctggg tgtgtttggc ttggccttgg catgggcgca 300  
ggcccagtga caaan 315

<210> 2430  
<211> 526  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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<222> (336)

1759

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

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<222> (462)

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<221> misc feature

<222> (488)

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<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

## 1760

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gattcagaga ttttccgacc ttctcccat ggggtgtgcc cacattgtca cccaacacac 120  
cagcttccga ggggtacatca tccccaaagga cacagaagta tttctcatcc tgagcactgc 180  
tctccatgac ccacactact ttgaaaaacc agacgccttc aatcctgacc actttctgga 240  
tgccaatggg gcaactgaaaa agactgaagc ttttatcccc ttctccttag ggaagcggat 300  
ttgtcttggn gaaggcatcg cccgtgcgga anttgntcct ctcttcacca ccaccttca 360  
gaacttctnc atggncagcc ccgtggnccc agaagacatc natctgacac cccnagaang 420  
tggtgtgggg caaaaaaacc ccccaacata ccagaacccg nnttcttggc cccgctgaaa 480  
gggcttangg gaaagggggg caaaaggaat tccagggnca atncaa 526

<210> 2431  
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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

## 1761

<220>  
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<222> (497)  
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<220>  
<221> misc feature  
<222> (511)  
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ctaccatgtc catcaggggtg acccagaagt cctacaaggt gtccacctct ggcccccg 120  
ccttcagcag ccgctcctac acgagtgggc ccggttcccc catcagctcc tcgagcttct 180  
cccagtgagg caagcagcaa ctttcgcggg ggcttgggag ggctggctatg gtggggccag 240  
cggcatggga ggcatcaccg gagttacggg aaccagagct gctgagcccc cttgtcctgg 300  
aagtggaccc caacatcagg ccgtgcgcac ccaggagaag gagcagaatc aangaccctt 360  
aacacaagtt ngcctcctta taaacaaggg aacggttctt ggaccanaat acaagatgct 420  
tgagagacaa gtggaagcct cctgcagnac aagaagacgg ntcgaagcaa catggccaac 480  
atgttcgaan agctacntta acaacttagg ngg 513

<210> 2432  
<211> 641  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (467)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (552)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (587)  
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<220>  
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<222> (632)  
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1762

<220> .  
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<222> (633)  
<223> n equals a,t,g, or c

<400> 2432  
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ctcgcacagc ttcccgacgc gtctgctgag ccccatggcc caccgccagc tctccgccc 120  
ccccagcaat ccccggtccc tgcgggtggc gctgctgctc ctgctcctgg tggccgccag 180  
ccggcgcgca gcaggagcgt ccgtgggtcac tgaactgcgc tgccagtgt tgcagacact 240  
gcagggaatt cacctcaaga acatccaaag tgtgaatgta aggtcccccg gacccactg 300  
cgcccaaacc gaagtcatag ccacactcaa gaatgggaag aaagcttgtc tcaaccccgc 360  
atcccccatg gttcagaaaa tcatcgaaaa gatactgaac aaggggagca ccaactgaca 420  
ggagagaagt aagaagctta tcagcgtatc attgacactt cctgcanggt ggtccctgcc 480  
cttaccagag ctgaaaatga aaaagagaac agcagctttt ctagggacag ctggaaaagg 540  
acttaatgtg tntgactatt tcttacgang gttctactta attatgnatt tatttttgaa 600  
aagcttggat tttaatattt tacaatgctg gnnatttaaa g 641

<210> 2433  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (187)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1763

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2433

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aggaactttc cggaatgaca attctgctga gatgtgccgg aagtgcagca caggggtgccc 60
cagaaggatg gtcaagggtca aggattgtac gccctggagt gacatcgagt gtgtccacaa 120
agaatcaggc aatggacata atatatgggt gatttttgggt gtgactttgg ttgttccgtt 180
gctgttngtg gctgtgctga ttgtctgggt ttgcatcggtc tcangttggt gaaggggacct 240
caagtgcagt gacanggtgt gtttctggcg cttgggtctc ctangaaggn ctgggggctga 300
agacaatgct canaacg                                     317

```

&lt;210&gt; 2434

&lt;211&gt; 407

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (356)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (366)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2434

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gctttattcc catcctgggt tccaactata acccaaagga atttgaaagt tgtattcagt 60
attatttggg aaacaattgg cttcaacatg agaaagctcc tacagaagaa gggaaaaaag 120
agctgctggt cctaagtaac gcgaacccct cgctgctgga gcggcactgt gcctacctct 180
aagccaagat cacagcatgt gaggaagaca gtggacatct gctttatgct ggaccagta 240
agatgaggaa gtcgggagct acacaggaag aggagccagg cccttgtagc tatgggattg 300
gacaggactg cagttggctc tggacctgca ttaaaatggg tttcactgtg aatgcntgac 360
aataanatat tcccttgncc taaaacttta tatcanntta ttggatg          407

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&lt;210&gt; 2435

1764

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<220>  
<221> misc feature



1765

<222> (259)  
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<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
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<222> (296)  
<223> n equals a,t,g, or c

<400> 2435  
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ttnaaaagcc tgccaagacc agcaaanggc cgggttcggt tnaggaagaa ctctttancc 120  
naaccgaaac tgttgtgact gaatatctaa atagtggaaa tgcaaagag gctgtcaatg 180  
gtgtaagaga aatgagggt cctaaacact ttcttctga gatgttaagc aaagtaatca 240  
tcctgtcact agatanaanc gangaagata aanaaaaagc aagttctttg atcagnttac 300  
tcaaacagga aggga 315

<210> 2436  
<211> 226  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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1766

<220>  
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<220>  
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<223> n equals a,t,g, or c

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (222)  
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tattgtactc gtgaataatg atgaaggaga atggaatggc ccaccacctn aatgcaaaaag 120  
gaaaaatctc taacttccaa aggtcccacc agcagttcag aaaacctacc aacagtnaat 180  
gttccaacta cagaangtct cncnacttc tcagaaagcc ancaca 226

<210> 2437  
<211> 457  
<212> DNA  
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<220>  
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<222> (298)  
<223> n equals a,t,g, or c

1767

<220>  
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 <222> (308)  
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<220>  
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<220>  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (424)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (431)  
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 gaaccagatg cccatgctca tgggcccacc cccccgctcc accaatttct ttggcttctt 120  
 gagctaaggg ggacacctt ggctccaag ccagccttga acccacctcc ctgtccctgg 180  
 actctactcc cgaggctctg tacattgctg ccacatactc ctgccagctt gggggagtgt 240  
 tccttcaccc tcacagtatt tattatcctg caccaccttc actgttcccc atgcgcanac 300  
 acatacanac accccaaaac acntacattg gaaagtggct tcattgaata aaaggantgt 360  
 gtttnccttt ggggatctgc taagtaagg gtaaattcnt tnttttaaaa cttcaatcct 420  
 taangaagta nattctccca gaagcaaaga aaaattc 457

<210> 2438

1768

<211> 369  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>  
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 <223> n equals a,t,g, or c

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 ggcttgcccg gagccttctg tggccatcct gcccctgggc acagggaatg accttggtcg 120  
 agtctctccgc tggggggcgg gctacagcgg cgaggacccg ttctccgtac tgctgtctgt 180  
 ggacgaggcc gacgccgtgc tcatggaccg ctggaccatc ctgctggatg cccacgaggc 240  
 tggcagtgcaga gagaacgaca cggcanacgc agagcccccc aagatcgtgc agatgagtaa 300  
 ctacttgtgg cattggcatc naccnggact gancctggac ttcaccaagc accgnaanga 360  
 ggaacctgc 369

<210> 2439  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (3)

1769

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

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<222> (161)

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<222> (176)

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<222> (180)

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<221> misc feature

<222> (186)

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1770

<220>  
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<222> (239)  
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atccctggcg ccnacccttg ngcccccggn cctcgagccc tttaatctga cttcggagcc 120  
ctcggacnac gcncctggacc tcagcacttt cctccagcaa naccgggacg ccttcnaacn 180  
gggacncccc gaactcccc aaaaagaaacc gaaaaaccca caaagaaaac accaaggcng 240  
taccggggg c 251

<210> 2440  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (303)  
<223> n equals a,t,g, or c

<220>  
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<222> (330)  
<223> n equals a,t,g, or c

<220>  
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<222> (344)  
<223> n equals a,t,g, or c

<220>  
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<222> (351)  
<223> n equals a,t,g, or c

<220>  
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<400> 2440  
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gtggaaagaa gtctgatcag tcaaactgta gcctggaacc attactacag cagctttcaa 120  
caagctacaa aacaatgcca gatgtgtgcc aagcttctaa tctgcttcct gcattgaggt 180  
ctttaaactg ttgtctacct tccagcttat agaaatctcc cacttatattg gaaaaaaaaa 240  
atgtcttgtg gcaagcaaca aaaattggga ctccctgctc caaaaaacat gttgggatgg 300  
ggnaattttt cttaacagg gttgaaccn attgaaaaaa ccancctt ngtttaattt 360  
naagaaa 367

1771

<210> 2441  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

1772

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<400> 2441  
ggcagannaa agatggagat gagtttaata attcaattng ccagttatTT cttgctttca 60  
atatgctgat ggacaggcct ctggaggaag cCGTcaagat caanggggca nctttgaagt 120  
accttcctag cataattaat gatgtcaaac ttgtatttga tCctgttgag ctcagngtgc 180  
tcttctgcaa attcattnaa agcattcctg acaaccagnt ggTtcngcan aaacttaact 240  
gcatgaccaa gatagtagag agcactcttt ttcnacagtc agagtgcana gaagtgctgc 300  
tgccactgct gacggaccan ct 322

<210> 2442  
<211> 365  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)



1773

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 2442

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ggttgcggtc aagatggcgc tggtaggttc tgtgcgagtc ccggcgcgcg ttctgctccg 60
cgcgggggcc cggctcccgg gcgcggccct cgggcgggacg gagcggggcg ccggcgggcg 120
agacggcgcg cggcgcttcg ggagccagcg ggtgctggtg gagccggacg cgggcgcagg 180
ggtcgctgtg atgaaattca agaaccccc agtgaacagc ctgagcctgg agtttctgac 240
ggagctggtc atcagcctga gaagctggag aatgacaaga gcttccgcgg tgtnattctg 300
acctcggaac gccgggtgtn ntctcgncg gctggacctg acgganatgt gtgggaagaa 360
ccccg                                     365
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<210> 2443

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

1774

&lt;400&gt; 2443

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ggacacccca gcaaaagtac cagcgcctac tgcattgaggt ccaagagctg acaactgaag 60
ttgaaaaaat caagacgaca gtgaaggagt cagccacaga ggagaagctg acccctgtgt 120
tgctggctaa acagctggca gccctgaagc agcagctggt tgcttccac ctggagaagc 180
tgctgggacc agatgctgca atcaacctta ccgacccga tggcgccctg gctaagcgcc 240
tactactgca gctggaagca acaaagaaca gcaaaggggg atcaggggga aaaaccactg 300
ggaccccccc agatagcagc cttgtcactt atgaactaca ttctcgccct gagcaggaca 360
aagttctctc aaagctgnca aaagtccaga acttgaaaag cgctgacag aactggagac 420
agctgtcggt gtgatcagga tgctcagaat ccctttctgc aggtctacag ggagcctgtc 480
tcatggagac tgtaaaactgt tgcaagcaaa ngtgaacgcc tttaaacttg agttttggat 540
caantggang gttnggttcn                                     560

```

&lt;210&gt; 2444

&lt;211&gt; 558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2444

```

ccctcactaa nggaacaaaag nctggtgctc caccgcggtg gcnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agggaaaact agcttaaact tctcactcaa 120
cctgattttt gaattgcctt ctctttttat ggtggagggc aagcaattca gatctctgga 180
ttatgaattt tgtgaaacct atgatagtac tattacttga agcctgtgtt gaagatatga 240
gttaatcttt aatgtgcttt gtgatatgta tttatttagt ctcaaactac caccaagtat 300
cattgtaggc ttgtttgcac tggattttta gcttactctc attatacaga gttattggat 360
gtatttgtat ttgaagctat attttagt atagcaagt tactgcttat attgtagcat 420
tgtgtataaa aatctgattt agatttttgg aatgctagta tctggaaaat acccttaaag 480
tattttccag acagctgggc caagtatttc agtaattatg cttgttaact tttattattt 540
atatctcttg tgtcttag                                     558

```

&lt;210&gt; 2445

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

1775

<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<400> 2445  
gctgctgccc tccgagtcac cgatggcgca ttggtggtgg tggactgcgt gtcaggcgtg 60  
tgacagtget gcggcaggcc attgccgagc gcatcaagcc tgtgctgatg atgaacaaga 120  
cgtgaacgtc atcatctcca cctacggcga gggcgagagc ggccccatgg gcaacatcat 180  
gatcgatcct gtcctcggta ccgtgggctt tgggtctggc ctccacgggt gggccttcac 240  
cctgaagcag tttgccgaga tgtatgtggn caagtccgnc gncaaggggg agggccantt 300  
ggggcctgnc gagcggggcca agaaagta 328

<210> 2446  
<211> 230  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

1776

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>

1777

<221> misc feature  
 <222> (192)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (214)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (217)  
 <223> n equals a,t,g, or c

<400> 2446  
 gctcatgttn tngatccana canagtgtgc cgacnacgcc atgaccntgg tnctaaanaa 60  
 agagcttggt gctcathtag aagtgcacca tcacgggtct gaccttntgg gaccccanct 120  
 gtgaggcana ggacaggggt gacaagtttg tattgcgcag tgnttactcc agctgtggca 180  
 tgcangtgc ancaagtatg atcagcaatg agngngnggt caatatactg 230

<210> 2447  
 <211> 547  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (459)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (463)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (532)  
 <223> n equals a,t,g, or c

<400> 2447  
 gcgnacgcgt gggcgectcc tccgctgtct ccctggagtt cttgcaagtc ggccaggatg 60  
 tctcaggctg agtttgagaa agctgcagag gaggttaggc accttaagac caagccatcg 120  
 gatgaggaga tgctgttcat ctatggccac tacaacaag caactgtggg cgacataaat 180  
 acagaacggc ccgggatgtt ggacttcacg ggcaaggcca agtgggatgc ctggaatgag 240  
 ctgaaagga cttccaagga agatgccatg aaagcttaca tcaacaaagt agaagagcta 300

1778

```
aagaaaaaat acgggatatg agagactgga tttggttact gtgccatgtg tttatcctaa 360
actgagacaa tgccttggtt ttttctaata cccgtggatg gtgggaattc gggaaaataa 420
ccaggtaaac cagctactca aggctgctca ccatacggnt ctnacagatt aggggctaaa 480
acgattactg acttttcttg agtaggtttt atctgaaatc aattaaaagt gnatttggtg 540
ctttaaa 547
```

&lt;210&gt; 2448

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (191)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (196)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (213)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (245)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (308)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

1779

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<400> 2448  
ggcctggtgt cggtgggttag tttctgcgac ttgtggtggg actgctgata ggaagatgtc 60  
ttcaggaaat gctaaaattg ggcaccctgc ccccaacttc aaagccacag ctgttatgcc 120  
agatggtcag tttaaagata tcagcctgtc tgactacaaa ggaaaatatg ttgtgttctt 180  
cttttaccct nttganttca cttttgtgtg ccncacggag atcattgctt tcagtgatag 240  
ggcanaagaa ttttaagaaac tcaactgccca agtgattggg gcttctgtgg attctcactt 300  
ctgtcatnta ncatgggtca atacacctaa naaacaanga ngactgggac ccatgaacat 360  
t 361

<210> 2449  
<211> 764  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1780

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (629)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (745)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (753)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2449

```

tntagtttng cgcctgccgt accggtccgg aattccccggg tcgacccacg cgtccgtaca 60
antntggtn gtaaactgctt tgtgaataat aatcgtaaat gccagtgtac ttcagttggg 120
gcacaaaata ctgtcatttg ctcaaagctg gctgccaaat gtttggtgat gaaggcagaa 180
atgaatggct caaaacttgg gagaagagca aaacctgaag gggccctcca gaacaatgat 240
gggctttatg atcctgactg cgatgagagc gggctcttta aggccaagca gtgcaacggn 300
acctccatgt gctggtgtgt gaacactgct ggggtcagaa gaacagacaa ggacactgaa 360
ataacctgct ctgagcagat gagaacctac tggatcatca ttgaactaaa acacaaagca 420
agagaaaaac cttatgatag taaaagtttg cggactgcac ttcagaagga gatcacaacg 480
cgttatcaac tggatccaaa atttatcacg agtattttgt atgagaataa tgttatcact 540
attgatctgg ttcaaaattc ttctnaaaaa aactcagaat gatgtggaca tagctgatgt 600
ggcttattat ttgaaaaaag atgttaaang tgaatccttg gttcattcta agaaaatgga 660
cctgacagta aatggggaac aactggatct ggatcctggc aaactttaat ttattatggt 720
gatgaaaaag caccttgatt ctcantgcag ggnctaaaaa gctg 764

```

&lt;210&gt; 2450

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (349)



1781

<223> n equals a,t,g, or c

<220> ,

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<400> 2450

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tccggaattc ccgggtacct gatctacctg aaattttaagg caacctacga tggaaatcat 120
gataccttcc gagtggagtt tctggtgggc cctgtgggag gcctctcatt ttagttaat 180
cacgatttct ctctcttga gatcctctgg accttctcca tctacctgga gtccgtggct 240
atccttccgc agctatttat gatcagcaag actggggagg ccgagaccat caccaccac 300
tacctgttct tcttgggcct ctatcgtgct ttgtatcttg tcaactggnt ctggcgcttc 360
tactttgagg gcttcttga cctcattgct gtggtggccg gcgtagtcca gaccatccta 420
tactgtgact tcttctactt gtacatacaa aagtactcaa gggaaagaag ctcagtttgn 480
cagcata 487
```

<210> 2451

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

1782

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

1783

<220>  
 <221> misc feature  
 <222> (297)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (348)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (349)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (360)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (361)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (368)  
 <223> n equals a,t,g, or c

<400> 2451  
 cccctccttg tggagcaggt cacactgcag gagggggccg tggncganac cccaanagct 60  
 ggccccctcc tgtggagcan gtcacactgc angacttgag tcagctcatc atccgaaact 120  
 gcnctctntt tgacattcac ancatccacg tgtgtctgca ccttgnagtc ttacttggct 180  
 ttccatctga tggccccctg gtgtgtgccc tgnaacanga acnaangctc cgctccctc 240  
 cgaaagccan ctcccccttt gcaaccctt ctccnaaaaag caatggcana agaactnaat 300  
 cccacgtga tgggtgctcc tggcccataa ctggcccggg accggttnng ggaacccan 360  
 ntttcttnga aaacccttgc ccacttcctg gttggtttca ggaaacc 407

<210> 2452  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (429)  
 <223> n equals a,t,g, or c

<220>

1784

<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<400> 2452  
gcacgcagcc cacgggtctgt actgacgcgc cctcgcttct tcctctttct cgactccatc 60  
ttcgcggtag ctgggaccgc cgttcagtcg ccaatatgca gctctttgtc cgcgcccagg 120  
agctacacac cttcgaggtg accggccagg aaacggtcgc ccagatcaag gctcatgtag 180  
cctcactgga gggcattgcc ccggaagatc aagtcgtgct cctggcaggc gcgcccctgg 240  
aggatgaggc cactctgggc cagtgcgggg tggaggccct gactaccctg gaagtagcag 300  
gccgcatgct tggaggtaaa gtccatgggt ccctggccccg tgctggaaaa gtgagagggtc 360  
agactcctaa ggtggccaaa caggagaaga agaagaagaa gacaggtcgg gctaagcggc 420  
ggatgcagna caaccgngc tttgtcnacg ntgngccacc tttggcaaga agaa 474

<210> 2453  
<211> 630  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1785

<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (418)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (519)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (529)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (584)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (602)

1786

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (621)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (627)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2453

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ggttgangac cagattacag ctgtcagaaa attcatanaa atggggtttca ttgatgaaaa 60
aagaatagcc atatgggggt ggtcctatgg aggatacgtt tcatcactgg cccttgcatc 120
tggaactgggt cttttcaa at gtggtatagc agtgggtcca gtctccagct gggaatatta 180
cgcgtctgtc tacacagaga gattcatggg tntcccanca aaggatgata atcttgagca 240
ctataagaat tcaactgtga tggcaagagc agaatatattc agaaatgtan actatcttct 300
catccacgga acagcagatg ataatgtgca ctttcaaaac tcagcacaga ttgctaaagc 360
tctgggtta at gcacaagtgg atttncaggc aatgtggtac tctgaccaga accacggntt 420
atccggcctg tccacnaacc acttatacac ccacatgacc cacttcctaa agcagtgttt 480
ctctttgtca gactaaaaac natgcatatg caatcctgna tcagaaatnt gaaaacctta 540
tataaancct tcagacaagt ttgcttaatt taatttttat gttngaaaaa tgctagttta 600
ancaaccaat taatggtggt naaaggntgt 630
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&lt;210&gt; 2454

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

1787

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<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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## 1788

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<220>  
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<220>  
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<220>  
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<220>  
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 gtgaagcgcg agnngngttg accctnagac acagttggaa agccatggaa ctnttacctg 120  
 gcacgnagnng gnntgccggt gggaggattt ggaccgttga acatnatcca cgttaatggg 180  
 gacgaanggg gaaagggttc cacctttgcc ttttnaaggaa tttttttccc caaaaanttg 240  
 ggcttaanga c 251

<210> 2455  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<220>



1789

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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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1790

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<220>  
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<222> (221)  
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<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

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<222> (259)  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (323)

1791

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (405)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (459)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (467)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (472)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2455

```

gtaaatatcc tcaataggga ataagatatg ctncceatnc cttcgggtaa aaagttttgt 60
ncaacactcc angtcanc tcaactctgg tgtatgggaa ttgtcttgat gtaaggncat 120
acttcctgcc ttctntntgg ctgcgcacaa aaccatagat tgctcttctg tnaggttttg 180
aattactgat cgcacttnat cgtnttgcac cttaatgcgt nttcttatct naaatcgctt 240
atatctggng ctggcaatng ctgattatcn atgcacatga attgnctagn gaaaaatgct 300
agaacanana acaaaaaactt gcnccacat gaaggaatac cgattcccn ccatggtaca 360
tattccaggc ccgttatctc gggcttttaa agcaaaaatt tccancccaa ataacaacag 420
ttcttggttc tccccggaag ttccaggact gaaccncnc cgaaaanaac anttgggaacc 480
tttctttgg                                     489

```

&lt;210&gt; 2456

&lt;211&gt; 375

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (224)

1792

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (242)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (264)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (333)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (348)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2456

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gcttttcattg ccaagtcctt ctatgacctc agtgccatca gcctggatgg ggagaaagta 60
gattttcaata cgtctcgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc 120
acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcttg 180
gtggtccttg ggcttccctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anattcctgaa cagtctcaat tatnttcgt cctggggtgg gnataccaac ccccttccc 300
cctttttcca aaaattttta ggttaaattg gcnaaaaaaa acatcctntt tttcccccta 360
ccttaaanga aaac                                     375

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&lt;210&gt; 2457

&lt;211&gt; 287

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 1793

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<220>  
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<220>  
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<220>  
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<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<400> 2457

## 1794

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ctctgcctcc tctccgacca cgtggacaag aggatcctgg atgctgcang ggccaatctc 120  
aaagtcatca gcaccatgtn tgnngggcatn gaccacttgg ctttggatga aatcaagaag 180  
cgtgggatcc gagttggcta caccacagat gtcttgacag atacnaccgt cgaactcgca 240  
gtctnccctgc tacttaccac ctgncgtcgg ttgncngagg ccacga 287

<210> 2458

<211> 105

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<400> 2458

ctcaagtgag ccgcatgctt ggcagatctg gccgacagga antacaagca ggctnccaag 60  
tgctactgtn tgncttcntt tgatcactgt gacttccctg agctg 105

<210> 2459

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (64)

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<220>

1795

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<222> (94)  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (300)  
<223> n equals a,t,g, or c

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<222> (302)  
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<220>  
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1796

<222> (317)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (431)



1797

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<220>

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<222> (432)

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<222> (436)

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<220>

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<222> (444)

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<222> (455)

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<222> (459)

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<220>

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<222> (471)

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<220>

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<222> (472)

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1798

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<223> n equals a,t,g, or c

<220>  
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<222> (490)  
<223> n equals a,t,g, or c

<220>  
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<222> (492)  
<223> n equals a,t,g, or c

<220>  
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<222> (498)  
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tgcnagtggc actgctgctc ctgctcctgg tagncgctgg ccggcgcgca caggtagtgt 120  
ccgtggccac tgaaactncg ctgccagtgc ttgcagacct tgcagggaat tcacccaag 180  
aacatccaaa gtgtgaacnt aaagtcccc ggacccact gcgcccacac cgaagtcata 240

## 1799

gccacactna agaatgggag gaaagnttgn cttcaatcct gcatgccccca ttntttaagn 300  
anattatcgg naaaggntgt nnaacagtgg caaattcaat tggancagaa gggagggagg 360  
aaggttnaat ggtgggtgtt ngcttgnagg gagngccttn gcctttttta gggtagcaaa 420  
gngggaaagg nnggtnaaag ttnggagggg ncacntggnt ttgggctaan nngnttnnag 480  
gnancgttnn gnggaatntt 500

<210> 2460

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 2460

gtcccccggn ccccaactncg cccaaaccgg agtcatagcc aactcaaga ntgggcgga 60  
agcttgctc aatcctgcan ccccatagc tatgaaantc atcg 104

<210> 2461

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (111)

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<220>

## 1800

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<222> (165)  
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<220>  
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<220>  
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<222> (318)  
<223> n equals a,t,g, or c

<220>  
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<222> (341)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
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<400> 2461  
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catgttggtta agtgttctat ccatccccac cacaccccaa cttcttcatg naagcaggtn 120  
tccatcctta taacttgaga ggctgtgaat cattccatag atgtnggtct tctgctaccg 180  
ntcttcacat tgcctctaca taccaggtct tcagctgcat tctaggaaac atcatatact 240  
attggattgc aaatctataa ataataaag acaatggact gacaggggaa aaaagttttt 300  
ttttaagttt acaaaactnca atcccacttg ttggcatttc naagggggcn atactttttc 360  
cttnattcca ccgttttaaag aagtttngga att 393

<210> 2462  
<211> 362  
<212> DNA

## 1801

<213> Homo sapiens

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<400> 2462

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aaggggcaaa ctcgcctgag ccctcgaagt gtggggcgta tctccccgta ccggaaacag 120
gtggagaaaa tccgttactg catcaccaaa cttgacaggg agcttcgagg actggatgac 180
atcaaggact tgaagggtgg tcaagtagaag aattcaaggc aagangaagc gtatctatct 240
cacggcgaa cagagacttt gnactgatct gactttattg gttcttaacc caagaggtaa 300
tgantgnacc ggcaangctg tatatcgagg aacnntttct ggcatacctg ntgaagatct 360
ga 362
```

1802

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<211> 535  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
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<222> (321)  
<223> n equals a,t,g, or c

<220>  
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<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (444)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<400> 2463

## 1803

gcgggcacgag gaatttgctc gctacactac tcctgaggat gctactcccg agccccggaga 60  
ggacccacgc gtgacccggg ccaagtactt cattcgagat gagtttctga ggatcagcac 120  
tgccagtgga gatgggcgtc actactgcta ccttcatttc acctgcgctg tggacactga 180  
gaacatccgc cgtgtgttca acgactgccg tgacatcatt cagcgcacgc accttcgtca 240  
gtacgagctg ctctnagaag ggaacccccca aatttaatta aagccttnag cacaattaat 300  
taaaagtga acgtaattgt ncaancagtt aatcaccac catagggcat gattaacaaa 360  
gcaacctttc ctttccccga atgattttgc gaaacccct tttcccttca gcttgcttag 420  
atttccaaat ttaaaaagct taangggggc tacaganaaa ngaaaaaagg gcacaaaaat 480  
tccctctcac tttcattaaa ataataaaaac agcagccgcc aaccanntaa atgaa 535

<210> 2464

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

1804

<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



1805

&lt;222&gt; (361)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (372)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2464

```
ggtaaccccn ggggtttccc gggaaaatth cccccggggg ttccggaacc cccaacggcc 60
ggttccccggg cncccaacgg cgggtttttn tnttcntgga aggggggaaag gnggtcncga 120
agccccaggcc cgcttggttt ttggggcggg aanggaantc cccttaaggc ccgtaagtaa 180
aggcattaaa taaatggtct ttnatctttt gaagtgggat ctacaatggg ntnagcaag 240
tggtggctcn agttcctagg acttgtacaa gaaatntgga aaacttgaat tcttaggttt 300
ggataatgca gggcaaaacc antntntta acatgctcaa aggatgacag attggccaac 360
ntgttccaac antacatccg a 381
```

&lt;210&gt; 2465

&lt;211&gt; 109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2465

```
gctcagcagg gagcccatg cccttcagg tgtggagagc ancctgcgtg tcaactggctg 60
ccgccagatc ttacggagcc tcccanagca caactacngt antncttcg 109
```

1806

<210> 2466  
<211> 393  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>

1807

<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<400> 2466  
ccacgcgtcc ggacaagnct gtgaaggatc tggatcatctt gctctatgaa actgcgctcc 60  
tgtcttctgg cttcagtctg gaagatnccc agacacatgc taacaggatc tacaggatga 120  
tcaaacttgg tctgggtatt gatgaagatg accctactgc tgatgatacc agtgctgctg 180  
taactgaaga aatgccaccc cttgaaggag atgacnacac atcacgcatg gaanaagtng 240  
actaanctct ggctgagggg tgacttacct gttcagtact ctacaattct ctgatatgat 300  
atttcnagga tgcttttctc tatttngtgt aatattaaat agtctgatgg catgacaact 360  
actttaaagg gaaagattng attctgmnta cta 393

<210> 2467  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (250)

1808

<223> n equals a,t,g, or c

<400> 2467

```
ccgtgagggg aagegtctcc gttgggtccg gccgtcttgc gggactctga ggaaaagctc 60
gcaccagggtg gacgcggatc tgtcaacatg ggtaaaggag accccaacaa gccgcggggc 120
aaaatgtcct cgtacgcctt cttcgtgcag acctgccggg aaagagcaca agaaagaaac 180
acccggactc ttccgtcaat ttcgcnggaa ttctccanaa antttttcgg aaaaatggaa 240
aaaccntttt tgccaa                                     256
```

<210> 2468

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1809

&lt;222&gt; (458)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (461)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2468

```
gggagccggc gccgggagtg agccataact ggtggctgct cttgcgcca tgagcctccc 60
caattcctcc tgctctcttag aagacaagat gtgtgagggc aacaagacca ctatggccag 120
ccccagctg atgcccttg tggtggtcct gagcactatc tgcttggtca cagtagggct 180
caacctgctg gtgctgtatg ccgtacggag tgagcggaag ctccacactg tggggaacct 240
gtacatcgtc agcntttcgg tggcggactt gatcgtgggt gccgtcgtca tgcctatgaa 300
catcctctac ctgctcatgt ccaagtggtn antgggccgt cctttntgcc tcttttggn 360
ttccatggac tatgtggcca gcacagcgtc cattttcagn gtcttcatcc tgtgcattga 420
tcgctaccgc tctgtccaca acccntcagg taccttangt nttgtaccaa aaccngag 478
```

&lt;210&gt; 2469

&lt;211&gt; 574

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (528)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (550)

1810

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (557)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (567)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2469

```
gcccacgcgt ccggnnagtc agatagtgag gaacgattcc agttggtaga tctgcgtttg 60
tgagggtttt attctgttct ctgaatcttg gccaaaggaa agttggaagg caactgacag 120
attctgcctt ttaggtactt gaactggcag gaaatgcac aaaagactta aaggtaaagc 180
gtattacccc tcgtcacttg caacttgcta ttcgtggaga tgaataattg gattctctca 240
tcaaggctac aattgctggt ggtggtatgt taacttctaa cattttaaaa aatttcttca 300
taggaaggaa ttttttgctg cttttaatta gtttttccag gagaggaaat ttaagtatat 360
tttcaatgat ggaagtatgg ttgtatcatg aaatttgatt tatatgtata actcaatgaa 420
tttttacttc atacttgagc tgcattgttt aaagatacct ttcaagttga acagtataca 480
cttcttggtt tcaaatactg ggatttttta aaaaatttaa gtggaatnaa ttcttgcact 540
cttctaagnn ggtattncac acattcncaa aatt 574
```

&lt;210&gt; 2470

&lt;211&gt; 386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (352)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (363)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (369)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1811

&lt;222&gt; (384)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2470

```
gcttgtcggg aggagcataa gaagaagcac ccagatgctt cagtcaactt ctcagagttt 60
tctaagaagt gctcagagag gtggaagacc atgtctgcta aagagaaagg aaaatttgaa 120
gatatggcaa aagcggacaa ggcccgttat gaaagagaaa tgaaaaccta tatccctccc 180
aaaggggaga caaaaaagaa gttcaaggat cccaatgcac ccaagaggcc tccttcggcc 240
ttcttctctt tctgctctga gtatcgccca aaaatcaaag gagaacatcc tggcctgtcc 300
attggtgatg ttgcgaagaa actgggagag atgtggaata acactgctgc anatgacaag 360
cancttatna aaaagaangc tgcnaa 386
```

&lt;210&gt; 2471

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (191)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (205)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (206)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (346)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

1812

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (403)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (424)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c



## 1813

<220>  
 <221> misc feature  
 <222> (428)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (450)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (453)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (454)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (476)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (514)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (516)  
 <223> n equals a,t,g, or c

<400> 2471  
 ggcacgaggn aggaactgat tcgtcctgag agaaacacat tggttgtgag ttttgtggac 60  
 ctggaacaat ttaaccagca actttccacc accattcaag aggagttcta tagagtttac 120  
 ccttacctgt gtcgggcctt gaaaacattc gtcaaagact ctggaagaag aacttataaa 180  
 taaaaaaaaga ntcatagaga aagtnnttca tcgactcaca cactatgadc atgttctaata 240  
 tgagctcacc caggctggga ttgaaaggct ccacagaggg aagtgagagc tatgaagaag 300  
 atccctactt ggtagttaaa ccctaactac ttggctggag gattgnagat aagtggaaan 360  
 taatggacca gagctganga acngtgggca cncacntcnt ggnccngggag cngggngggga 420  
 gctnggmnag ggacaaaagt tttccgggan tgnnggcttc caggatttgt tttccngaac 480  
 caagaattga gttgaaggct ccaagtgtca catnntcac aggtttcata ccaacacagg 540  
 cttcagcaat 550

<210> 2472  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

1814

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

1815

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (440)  
<223> n equals a,t,g, or c

<400> 2472  
ggttctccaa cagcttcagg ttcattcagta agtcctgggtt tatacagtaa aacctgacc 60  
cctatatatg accccatcaa tggaacacca gcatcatcca ccatgacttg gttcagtgc 120  
agccctttga cggaacanaa ctgcagcatc ctgcgattca gccaaaccccc ccagtcccca 180  
naagcacttg cggatatgta ccancctcgg nctntggntg ataaagccaa gctcaatgca 240  
ggttggttag actnctgacg ctcgnttatg gaacanggca tncaacagga tgagcagctg 300

## 1816

```

ctnttacgat ttaaatntta ttgtttcttn gacttgaatn ctaaatatga tgctgtccna 360
ataaaccaac tctatgagnn agccaggtgg gccattctct tacaagaaat tgattgcaca 420
cgaggggnga aatggtagan                                     440

```

```

<210> 2473
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

```

```

<400> 2473
aaggngancg ncnancctca ctaaaggga caaaagctgg agctccaccg cgggtggcggc 60
cgctctagaa ctagtggatc ccccggtctg caggaattcg gcacgagccg ctacaaccaa 120
gagacaccaa tggagatctg cctcaatgga acccctgctc tggcctacct ggcgagtgcg 180
ccccacccc tgtgtccaag tggccgcact ccagacctga aggtcttact caacgtggtg 240
gacaatgccc ggagtttcat ctacgtcgtc gtcattgaact acctgcccac tctggagtgc 300
tcccacctac gagcgtggcg tcaaggtgcg cctgctcatc agctgctggg gacactcgga 360
ggccatccat gcgggccttc ctgctct                                     387

```

```

<210> 2474
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (195)

```

1817

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (280)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2474

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aattcggcac gagcacagct catgttttcc agcctgtgtg ggagcttggt ctgaagagag 60
attaagtgat agcctactta tggatcctgg agaattcttc agaaatccat gtgtaactca 120
ggtgcctatt tggttatgac aaaagatatg gctaattttt attttgaaaa gtttgaataa 180
acttagtttt ctctntttcc acttgcaaag agttttgatg atggagacta ttttcctgtg 240
tggggcacat gccttggatt tgaagagctt ttgatgctgn ttagtggaga gtgcttatta 300
actgccacag gtnactgttt gacgtggcaa tgccgttg 338

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&lt;210&gt; 2475

&lt;211&gt; 496

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2475

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gggagcaggt ggcggttttg gctcccccat ggacatcttt gatatgtttt ttggaggagg 60
aggaaggatg cagagagaaa ggagaggtaa aaatgttgta catcagctct cagtaaccct 120
agaagactta tataatggtg caacaagaaa actggctctg caaaagaatg tgatttgtga 180
caaatgtgaa ggtagaggag gtaagaaagg agcagtagag tgctgtccca attgccgagg 240
tactggaatg caaataagaa ttcacatgat aggacctgga atggttcagc aaattcagtc 300
tgtgtgcatg gagtggcagg gccatgggga gcggtatcagt cctaaagata gatgtaaaag 360
ctgcaacgga aggaagatag ttcgagagaa gaaaatttta gaagttcata ttgacaaagg 420
catgaaagat ggccagaaga taacattcca tgggtgaagga gaccaagaac caggactgga 480
gccaggcgat attatc 496

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&lt;210&gt; 2476

&lt;211&gt; 189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

1818

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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ttgaattttca tcgnatgatc tgggcagacc tcagctgcct gggtttaccga gctgataccc 120  
agncatacca gccttttatna acaaagnctg ggttnaaaga gaagttctac gtgctccttc 180  
gtgggcang 189

<210> 2477  
<211> 531  
<212> DNA  
<213> Homo sapiens

## 1819

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<220>  
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<220>  
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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (525)  
 <223> n equals a,t,g, or c

<400> 2477  
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 aaaaaagtaa aaggaactcg gcaaacttta ccccgctgt ttaccaaaaa catcacctct 120  
 agcatcacca gtattagagg caccgcctgc ccantgacac atgtttaacg gccgcggtac 180  
 cctaaccgtg caaaggtagc ataatcactt gttccttaag tagggacctg tatgaatggc 240  
 tccacgaggg ttcagctgtc tcttactttt aaccagtga attgacctgc cctgaagan 300  
 gcgggcatga cacagcaaga cgagaagacc tatggagctt taatttatta atgcaaacag 360  
 tacctaacia acccacaggt cctaaactac caaacctgca ttaaaaattt cggttggggc 420  
 gaactcggaa caaaaaccaa cctccganca atacatgcta agacttcacc agtccaancg 480  
 aactactata ctccattgat ccaataactt gaacaacgga acaanttacc c 531

<210> 2478  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

## 1820

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<222> (8)  
<223> n equals a,t,g, or c

<220>  
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<222> (401)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (408)  
<223> n equals a,t,g, or c

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caaaagaaga aagatgagggc agaggtccaa gtaaaccgct agcttggtgc accgtggagg 120  
ccacaggagc agaaacatgg aatgccagac gctgggggatg ctggtacaag ttgtgggact 180  
gcatgctact gtctagagct tgtctcaatg gatctagaac ttcacgcgcc tctgatcgcc 240  
gatcacctct gagacccacc ttgctcataa acaaaatgcc catgttggtc ctctgccctg 300  
gacctgtgac attctggact atttctgtgt ttatttgtgg ccgagtgtaa caaccatata 360  
ataaatcacc tcttccgctg ttttagctga agaattaaaa nctanntna 409

<210> 2479  
<211> 497  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature



1821

<222> (351)  
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<220>  
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<222> (389)  
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taataacatc aatttttcgc tgcgtgctgg cgaatttaag ttaattaccg gtccttctgg 120  
ttgtggcaaa agtacgctgc taaaaatagt tgcttcattg atcagcccaa ccagcgggaa 180  
gttnactggt tgaagggtgag gatgtcagca cactaaagcc agaaatctac cgccaacaag 240  
tctcttactg cgcccagaca ccgacgctgt ttggcgatac ggtatacggg aaatctggat 300  
ctttccctgg cagatccgta accggcagcc tgacccagcc atttttctcg nttttttcgn 360  
acggtttggc tttgccggac agcatttnna cgggggatttc gccggggttt tgggtggggaa 420

## 1822

aanaaggatt tcatggntng taacccgcaa tttngccgn ggttttattg ttgggtggaa 480  
taaccatggg tgggtgg 497

<210> 2480

<211> 171

<212> DNA

<213> Homo sapiens

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<222> (44)

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<222> (58)

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<222> (105)

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<222> (122)

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<222> (147)

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<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<400> 2480

gtccggaatt cccgggtcga cccacgcgtc cggtcctttg cttncatgga ggtcctgnac 60  
tggacacacg ngaaggagca gctggaaact ctccggaagc tgcanaggag ggaggtggct 120

## 1823

gngcagtgcc tgcggcctgc agaggangac cacctgnagg attccctgga n

171

<210> 2481

<211> 448

<212> DNA

<213> Homo sapiens

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<222> (294)

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<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

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<220>

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<222> (426)

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<220>

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<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

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<400> 2481

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ctcattttatt	gaaaacatta	tttctcacct	ttctcaaatt	gaagactgca	aaaaataaaa	120
gcagtgtctt	attgagttgt	catgagcctc	gggcggggagc	agcagcactg	cctctccacg	180
ctccgggaaa	ccgcagctgg	cgtgtgccac	atcgggtccca	cctcgtttta	caaaacagtc	240
ctgaagctta	atcaaataaa	attattgtac	acaacattta	cattagaaaa	aganagctgg	300
gtgtaggaaa	gccgggcctg	gtgttccctt	taagcgaagg	tggntccaca	gttggggcat	360
cgtcgcttcc	tcaaggcaaa	acagcaaatt	aacccaaagg	ggaanaggat	gatggccang	420
aagatnccca	ngaaggtgaa	gcantcct				448

1824

<210> 2482  
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<213> Homo sapiens

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<220>  
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<222> (98)  
<223> n equals a,t,g, or c

<220>  
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<222> (175)  
<223> n equals a,t,g, or c

<220>  
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<222> (194)  
<223> n equals a,t,g, or c

<220>  
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<222> (201)  
<223> n equals a,t,g, or c

<220>  
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<222> (205)  
<223> n equals a,t,g, or c

1825

<220>  
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<222> (207)  
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<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
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<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

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<220>  
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<220>  
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<222> (347)  
<223> n equals a,t,g, or c

<220>

1826

<221> misc feature  
<222> (351)  
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<220>  
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<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<400> 2482  
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taaaccagac caantggaaa atgtaatcct gatctcanat taanaagtc c cataaggaag 120  
ctatgggtctc tcctgaaatt caaatttgaa tggaaatctc ctaatgcac tgatnaacat 180  
actgtttgtc tgtnggatat nggcncngna acaanagaat gcnaaattgt ngatnctaaa 240  
ccatctttan tggccactca actgttntta aaagatgtga ctggcacctg ctgcacaatt 300  
cattgtatgg atctgttgct gatgatcaaa acttatnata tggaacncaa nntccaatac 360  
aactccaanc 370

<210> 2483  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)

1827

<223> n equals a,t,g, or c

<400> 2483

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cagaagatcg gcctccagaa ctctgttta ttcattggagg acacactgct aagatttcag 120
attttagctg gaacccaat gagccttggg tcatttgctc agtgtctgag gataacatca 180
tgcagatatg gcaaattggct gaaaatattt acaatgatga agagtcagat gtcacgacat 240
ccgaactgga gggacaagga tcttaaacc ccaaaaggc aaatgtttct gttgaatgta 300
atgctacatg aatgcttnat ttatntttcg ccaaaaggc attgtatant angaaatgta 360
agtggggtgg cttatggctn ctt                                     383
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<210> 2484

<211> 583

<212> DNA

<213> Homo sapiens

<220>

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<222> (6)

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<221> misc feature

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<222> (123)

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<220>

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<222> (140)

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<221> misc feature

<222> (147)

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1828

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<220>  
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<222> (222)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
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<222> (369)  
<223> n equals a,t,g, or c

<220>  
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<222> (419)  
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<220>



1829

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<220>  
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<220>  
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 <222> (493)  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (543)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (570)  
 <223> n equals a,t,g, or c

<400> 2484  
 aacagnnctg accatgatta cgccaagctc taatacgact cantataggg aaattntggt 60  
 acgcctgcag gtaccgggtcc ggaattcccg ggtcgaccca cgcgtccgcc cagctgggat 120  
 ctnagggcctt ccttttctgn cctcctncag gatgggggtca accgccatcc tcgccctcct 180  
 cctggctgnt ctccaaggag tctgtgccga agngcanctg gngcagtccg gagtagaggt 240  
 gaaaaagccc gngaggtctc tgaggatctc tgtaaggttt ctggatacag ctttaccagc 300  
 tactggatca agtgggtgcy ccagatgccn gngaaaggcc tggagtgnat ggcgaggatt 360  
 gatcctagny actcttatac caactacagc ccgtccttcc aaggccacgt caccatctna 420  
 gctgacaagn ccatcagcac tgctacctgc agtggagcag ctgaaggcct cggacaccgg 480  
 catgnattac tnggccagac atgaagccag aggcttggac tacttttgact actggggcca 540  
 ngnaaccctg gtaccgcttc ttagcttcan caagggccat cgg 583

<210> 2485  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (48)  
 <223> n equals a,t,g, or c

## 1830

<220>  
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<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
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<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
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<222> (239)  
<223> n equals a,t,g, or c

<400> 2485  
gtctggaact gcctctgttg tgtgcctgct gaataacttc tatcccanag aggccaaagt 60  
acagtggaag gtggataacg ccctccaatc gggtaactcc caggagagtg tcacagagca 120  
ggacagcaag gacagcacct acagcctcag cagcaccctg acgctgagca aagcagacta 180  
cgagaaacac aaagtctacg cctgcnaagt caccatcag ggcctganct cncctgttnc 240  
aaa 243

<210> 2486  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (329)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

1831

<220>  
<221> misc feature  
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<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<400> 2486  
gccttctcac aatgaggctc cctgctcagc tcctggggct gctaattgctc tgggtctctg 60  
gatccagtgg gaattatttg atgactcagt ctccagtctc cctatacgtc acccctggag 120  
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180  
atttggattg gtacctgcag aagccagggc agtctccaca gctcctgata tatttggggtt 240  
ctaactgggc ctccgggggc cctgacaggt tcagtggcag tgggtcaggc acagacttta 300  
cactgaaaat caccagagtg gangctgang atgttggggg ttattattac tggatgcaag 360  
cntacaaat tcattcantt tnggccttg accaaa 396

<210> 2487  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>

1832

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<222> (342)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<400> 2487  
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ggccattttt atgctgactc agccccactc tgtgtcggag tctccgggga agacggtaac 120  
catctcctgc acccgagca ntggcaagca ttgccagcaa ctatgtgcag tggttccagc 180  
agcgcccgga cangttcccc caccactgtg atctatgagg ataaccaaag accctctggg 240  
gtccctgacg ggttctctgg cttacatcga cagctcctnc aactctgcct tccttaccat 300  
tctctggact gaanactgag gacgangctg actactactg gnagtcttat taataacaag 360  
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<210> 2488  
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## 1833

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ccaggggaaa nagccaccct ntctgctgg gccagtcana gtgtttacag cagctactta 180
gctggtacc agcagaaacc tggnaagnt cccaggnncc tcatctatgg tgcattccagc 240
aggg                                     244
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<210> 2489

<211> 370

1834

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&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (9)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (148)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

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&lt;220&gt;

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&lt;222&gt; (248)

1835

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acagagtcac catcacttgc ccgggcangt cagagcatta ncagcgatgt aaattggatc 180
agcagacaaat atggaaaagcc ctancctcct gatctatgct gcatcaantc gcatagtggg 240
gcccatangg tcagtgcagt gatctggggac agacttcact ctcacatanc agtctgcacc 300
tgagatttga nctactactg caacagagta cagaggnact cacgttagca tggaacnatg 360
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<212> DNA

<213> Homo sapiens

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1836

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1837

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ccggntctcc tggacagtna gtcaccatct cctgcactgg gaaccagcag tgaatggttg 180  
tggttataac tttgtntcct ggtaccaaca ggacccaggc aaagncccca aactnatgat 240  
ttatgaatgt nactttaagc gggccctcag gggccctga atcgntttct ttgggntcca 300  
agttttggca acacggcctt ccctggacca ttttttgggg ttccaggtn aggatgacgg 360  
tggattatta actggttggt tcatatttca gngggcttac aatagnttat gtttttcggg 420  
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<212> DNA  
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1838

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1839

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1840

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1841

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<220>  
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 tgctctccgtg tctgggtctc ctggnacagt cgatcaccat ctctgcact gggaacaagt 180  
 agtgacgttg gtggctataa attatgtctt ctggtaccat caataaccca ggcaaagccc 240  
 cccaacctg gttttatgga tgnagttat tgggcctaag gggtttttta aatgcgcttt 300  
 ttttgggttc caagtttggg aaaaaggggn cttccttnga ncatttttgg ggttcccncc 360  
 ctgggggggg tttttntttt tttnntnngn gctnttttgg aaaggncccc actntntttt 420  
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 nntttttccc ccnngnggg ggggnnaana 510

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1842

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<220>  
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 tgaggtgagg aagcctgggt cttcggtgaa tatctcctgc aaggcttctg gaggcacctt 180  
 cagtagatat gctgtcacct ggggtgcgaca ggccccctgga caaggccttg agtgggtggg 240  
 aggcatacact cctgtctatg gtacgacaca ctatgcagat aatttgcgcg gccgggtcac 300  
 cataacggcg gacaaatcca cgaacatagc ctatatggaa ttgaagagcc tgaaatttga 360  
 agacacggcc atgtatttct gtgcgagggg tcacaactcc tatgacagtt cggctctcaa 420  
 ttggntcgac ccctggggcc agggaaactct ggtcaccgtc tcctcagnct ncaccaaggg 480  
 cccatcngtc ttncccttg cacccttctt 510

<210> 2493  
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 <212> DNA  
 <213> Homo sapiens

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 tttctgtgcg agacctattg cgagtgtgaa agctcgtctg gtggcaccaa gcaaggacta 180  
 ctggggccag ggaaccctgg tcaccgtctc ctcagcctcc accaagggcc catcgggtctt 240

## 1843

ccccctgga

249

&lt;210&gt; 2494

&lt;211&gt; 490

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (421)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (465)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (483)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (487)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2494

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ccaccaacca tggagtttgg gcttagctgg gttttccttg ttgctatttt aaaaggtgtc 120
caatgtgagg tgcggctggg ggagtctggg ggaggcttgg ttcagccagg gcggtccctg 180
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caggctccag ggaggggggct ggagtgggtg ggtttcatta gaagcaaaac ttatggtggg 300
acaacacaat acgccgcggc tgtgaaaggc agattcacca tctcaagaga tgattccaaa 360
agtatcgtct atctgcaa atgaacagcctg aagaccgagg acacagcccg tgtattattg 420
ngctaaagaa ggggtattgta ataagtacca acttgnttgg gccanggaac cctgggtcacc 480
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&lt;210&gt; 2495

&lt;211&gt; 489

&lt;212&gt; DNA

1844

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1845

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1846

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 gaactgcctc tnttgtgtgc ctgctgaata acttctatcc cagngaggcc aaagtacagt 180  
 ggaaggtgga taacgccctc caatcgggta acttccagggt ggagtgtcac agagcaggnc 240  
 agcaaggaca gcacctacag cctcagcagc accctgacgn tgagcaaagc agactacggg 300  
 gaaacacaaa gttttacggc tgcgagtcca cccntcagggt ccttaggttg gcccgttaan 360  
 aaggggtttt aacagggggg gnttttttagg ggggnggggt nccccccctt nttctnnntt 420  
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 tggggncnc 489

1847

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<212> DNA  
<213> Homo sapiens

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1848

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tcactctcac catcagcagt ctgcagcctg aagattttgc aacttacttc tgtcaacaga 180  
gtgacgattt cccttttagc ttcggccaag ggacacgact ggagatgaaa cgaactgtgg 240  
ctgcaccatc tgtcttcac ttcccgccat ctgatgagca gttgaaatct ggaactgcct 300  
ctggtgtgtg cctgctgaat aacttctatc ccagagaggc caaagtacag tggaaggtgg 360  
ataacgccct ccaatcgggn actcccagga gagtgtcaca gagcaggaca gcnaggacag 420  
cacctacagc ctcagcagca ccctgacgct gagcaaagca nactacnaga aacacaaagt 480  
ctacgcctgc gaagtcaccc atcaaggcct gagctcnccc gtcacaaaga gcttaacagg 540  
ggagagngtt aaaanggaga aatnccccca nctgctcct 579

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1849

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<220>  
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<220>

## 1850

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<223> n equals a,t,g, or c

<220>  
<221> misc feature

1851

&lt;222&gt; (473)

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (486)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (487)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (490)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2497

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aattcggcag aggnaaaccc cagcgcattc ttttctcct gtagggccag tcagagtgtt 60
agtaccaggt tcgtagcctg gtaccaacag aaacttggcc aggctcccag ggtcctcatt 120
tatagtacat cctccagggc ccttggnatt ccagaaacag gttcagtggc agtgggtctg 180
ggnactgaac tttcacttct tcaacatcag cgggcctggg agcctgaaga ttttgcagta 240
ttantactgt gcaactctta tcgtagggcc ctcgggcact tttcgggcgg aggggaccca 300
aggtgggaga ttgagacgga actttgggct tgcaaccatn ttgttttttn anntttncgg 360
gccattttga ttggggcant ttggaaantt ttgggacttg cncttntttg nnnttncccn 420
nttggaaaaa attttttttt cccngggngg ggccaanttn naaagggnag ggnngnttaa 480
agggcnntcn aatngggggg                                     499

```

&lt;210&gt; 2498

&lt;211&gt; 496

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

1852

<222> (447)  
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<220>  
<221> misc feature  
<222> (463)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

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catctcctgc acccgagca gtggcagcat tgccagcaac tatgtgcagt ggttccagca 180  
gcgcccgggc agttcccca cactgtgat ctatgaggat aaccaaagac cctctggggt 240  
ccctgatcgg ttctctggct ccatcgacag ctctccaac tctgcctccc tcaccatctc 300  
tggactgaag actgaggacg aggctgacta ctactgtcag tcttatgata gcagcaatgt 360  
ggtattcggc ggagggacca aactgaccgt cctaggtcaa gccaagggt tgcccctcgg 420  
tcactctgtt cccgccctcc ttctgangag ctttaagcca acnaggccac actggtgtgt 480  
ctcataagng attcta 496

<210> 2499  
<211> 433  
<212> DNA  
<213> Homo sapiens

<400> 2499  
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ccaaccatgg agtttgggct tagctgggtt ttcttggttg ctattttaaa agcctccacc 120  
aaggggccat cggctctccc cctggcacc cctccaaga gcacctctgg gggcacagcg 180  
gccctgggct gcctgggtcaa ggactacttc cccgaaccgg tgacgggtgtc gtggaactta 240  
ggcgcccttg accagcggcg tgcacacctt cccggctgtc ctacagtcct caggactcta 300  
ctccctcagc agcgtgggtga ccgtgccctc cagcagcttg ggcacccaga cctacatctg 360  
caacgtgaat cacaagccca gcaacaccaa ggtggacaag agagttgagc ccaaattcttg 420  
tgacaaaact cac 433

<210> 2500  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature



1853

<222> (263)  
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<220>  
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<220>  
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<220>  
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<222> (506)

## 1854

<223> n equals a,t,g, or c

<400> 2500

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tggccccagg acagacggcc aggattacct gtggggcaaa caacattgga attaaaaatg 180
tgacttggtg ccagcagaag ccaggccagg cccctgtgct ggtcgtctat gatgataagc 240
gaccggccct cancgatcct gancgaattt tttggttcca actnttgga acacnggcca 300
ccctgaccat caacanggtc gaaccgggga tgaagccgac tattactgtc aggtgtggga 360
tactagtant gccaaaggag gttcggcgga nggaccaaac ttaccgtcta attaacccaa 420
ggctgcccct cgtcactct gttccaccct tctnttaaga acttcaacca aaaangncac 480
acttggtgtg ncttataaat gacttntacc cggaaccc 518

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<210> 2501

<211> 402

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

<221> misc feature

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

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<220>

<221> misc feature

<222> (372)

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<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 2501

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ctcctcactc agggcacagg atcctgggct cagtctgccc tgactcagcc tcctctcgtg 120
tcggggtctc ctggacagtc agtcaccatc tcctgcactg gaaccagcag tgacgttggg 180
ggttataacc gtgtctcctg gtaccagcag tccccaggca cagcccccaa actcatgatt 240
tatgagggtc gtaatcggcc ctcaagagtc cctgatcgct tctctgggtc caagtctggc 300
aacacgggct tccttgacat cttttgggct ccaagcttga ngacnaaagg tgaattatta 360

```

1855

ctgncctgctc gnatcaaagn aagtaagttt tttttcctat tt

402

&lt;210&gt; 2502

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (92)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (223)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (240)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (246)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (268)

&lt;223&gt; n equals a,t,g, or c

1856

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<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (338)  
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aagatttcta atcggaact ctggcgctccc anacagattc ancggcagtg gggtcaggca 120  
ctgatttgca cactgaaaat cagcagggtg gaggctgagg atgttggeat ttattaactg 180  
catgcaaagg ttcacactgg cctcggaacg ttcggccaag ggnaccaagg tgggaaatcn 240  
aaacgnaact gtggctgcac catctgtntt catctttccc ggccatctgn ntgagccatt 300  
tgnaaatctg gaactgcctc tgttgtgtgc cctgctgnat aactttcta 349

<210> 2503  
<211> 169  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1857

<222> (117)  
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<220>  
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<222> (126)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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gtggcgccg ctctacaact actggatccc cggggtgca ggaatactgc accaccntaa 120  
caacangttt gtgctattca ctgtggcata acaatggnnn aattagtcg 169

<210> 2504  
<211> 140  
<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)

1858

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

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<220>

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<222> (115)

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<220>

<221> misc feature

<222> (125)

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<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<400> 2504

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ctagaactag tggatcccc gggctgcagg aattcggcac ganctccatc tcaanaaaaa 120
aaaanaaaaa aaancccaaa                                     140
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<210> 2505

<211> 107

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

1859

<220>  
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<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<400> 2505  
ngtttttttcg aattaacccc ctncnttgga ataaaactgg agctccaccg cngtggcggn 60  
cgctctaaaa ctaatggatc ccccgggctg caggaattcg gcacgan 107

<210> 2506  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<400> 2506

## 1860

ccctctcttaa aaggacaaaa gctggncncc accgcggtgg cggccgctct agaactagtg 60  
gatcccccg gctgcaggaa ttcggcacga ggtcngncta ngcc 104

<210> 2507

<211> 134

<212> DNA

<213> Homo sapiens

<220>

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<222> (9)

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<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<400> 2507

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cgcggtggcg gncgctctag aactagtga tccccgggc tgcaggaatt cggcacgagn 120



## 1861

ncnagttccat gacc

134

&lt;210&gt; 2508

&lt;211&gt; 124

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (113)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2508

gccaatatan cctcaatant tgggaacaan anctggagct ccaccgcggt ggcggncgct 60  
ctagaactag tggatcccc gggctgcagg aattcggcac gaggccatgt tancgangac 120  
attt 124

&lt;210&gt; 2509

&lt;211&gt; 562

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1862

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<400> 2509  
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gatcccccg gctgcaggaa ttcggcacga gaccccatatc agaaaccacc taccctcggg 120  
gaggcttaat tacctggtaa tgcgcagct gactgctac ctgtgtattt tctgttttaa 180  
tactggtagc tctcaccaca taagcttaat tactgggggc agagtgcacat gctcgtgcac 240  
agtcaagatt ccactaaaat ggtttgattt cgttgtaaata agtctcgtat tgcctaatgc 300  
attaaaactc ttgaaatgat tgtattgcta ggccctttct tcaaaacggg ctttcttcgc 360  
attatttagt ttacaggtgg actttttttt ttttaaagga agccaaatta ttgaatgtgt 420  
aagagtacta taaaaagctg attgctcatc ttgagtgtca agaccagtt ccgggtactt 480  
tattcttttag atttggtagt gtagcattat cgaccctctg ccctatgttg ctgtactgtt 540  
tccttttaaaa ggaaatggct ga 562

<210> 2510  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
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<222> (417)  
<223> n equals a,t,g, or c

<400> 2510  
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tcccccgggc tgcaggaatt cggcacgagc ccctcctttg ctcctaggat tttacatggt 120

## 1863

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gcctgcaaag ggagtcaaac ttaggggggca ggcaaacaaa cgagttcttt ccagcctctg 180
taaccggatc gctagagcga aataaactcg cacaagtgtc cagagatcgt agccagacag 240
ccagcctgcg cttgaagcaa cttttaagtg aggctgcaag agccgccggg atgtagattt 300
tagttcgtgg ccaagcacia ctacgacacc ctgtccctgc cccacccca tccccaagaa 360
tgcacggagg aaggagagag gacgaggtga gggccgcctg catttctgca cgtcggngcc 420
ggttagaaac cctgcagttt 440

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<210> 2511

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 2511

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aaccgcacc aanggaaca aancncgggc cccaccgcgg tgacgcccgc tcgagaacta 60
gtggatcccc cgggctgcag gaattcggca cgagggttaat tagaataaag tcattttctn 120
ccaaaaaaaa aaaaaaaaaa aaaagnaaa 149

```

<210> 2512

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

1864

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

## 1865

<400> 2512  
nnangacctt tcttngantt aacnccccctc ccttggaata aaactggagc tccaccgccg 60  
tggcggcgct ctaaaactag tggatcccccc gggctgcagg aattcgggac gagttcatgg 120  
agaggcnant gctnggttcn cctgtgang 149

<210> 2513  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (431)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (444)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (448)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<400> 2513

## 1866

```

gttngaggac cttcgtctcc ctgagggaga ccttggcatg gagattgagc agaagtacga 60
ctgtggagaa gagatcctga tcacgggtgct gtctgccatg acagaggagg cagctggtgc 120
aatcaaggcc atggcaaaat aactggctcc caggggtggcg gtggtggcag cagtgatcct 180
ctgaacctgc agaggccccc tccccgagcc tggcctggct ctggcccggc ctaagctgga 240
ctcctnctac acaattttatt tgacgtttta ttttggtttt cccaccccc tcaatctgtc 300
ggggagcccc tgcccttcac ctagctccct tggccaggag cgagcgaagc tgnngccttg 360
gtgaagctgc ctcctcttc tcccctcaca ctacagccct ggtgggggag aagggggtgg 420
gtgctgcttg nggttagtct tttntntntt ntttaattca a 461

```

<210> 2514

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<400> 2514

```

gctcgctctc ctgccccacc ccgaggtaaa gggggcgact aagagaagat ggtgttgctc 60
accgcggtcc tcctgctgct ggccgcctat gcggggcgcg cccagagcct gggctccttc 120
gtgcactgcg agccctgcca cgagaaagcc ctctccatgt gccccccag cccctgggc 180
tgcgagctgg tcaaggagcc gggctgcggc tgctgcatga cctgcgccct ggccgagggg 240
cagtcgtgcg gcgtctacac cgagcgctgn gccaggggc tgcgctgnct ccccggcag 300
gacgaggaga agccgctgca cgccctgctg caccgncgcg gggtttgnct caacnaaaag 360
agctaccg 368

```

<210> 2515

<211> 695

<212> DNA

1867

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (477)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (525)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (573)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (625)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (664)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (665)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (671)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (690)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2515

```

gtgctgagaa tattcctgag aatcccctga agtatctgta tccaaatatt gacaaagacc 60
atgccttttg aaagtattac tccaggccaa aggaagtcac ccttctagac ttcagaccac 120
agacaacctg ctccccatgt ctccctgagga gtttgacgag gtgtctcgga tagtgggctc 180
tgtagaattc gacagtatga tgaacacagt atagagcatg aatTTTTTtTc atcttctctg 240
gcgacagttt tccttctcat ctgtgattcc ctccctgctac tctgttcctt cacatcctgt 300
gtttctaggg aaatgaaaga aaggccagca aattcgctgc aacctgttga tagcaagtga 360
atTTTTtctc aatcagaaa catcagttac tctgaagggc atcatgcac ttactgaagg 420
taaaattgaa aggcattctc tgaagagtgg gtttcacaag tgaaaaacat ccagatncac 480

```

## 1868

```

ccaaagtatc aggacgagaa tgaggggtcct ttgggaaagg agaanttaag caacatctag 540
caaatgttat gcataaagtc agtgcccaac tgntataggt tgttggataa atcaagtggg 600
tatttaggga actgcttgac cgtangaacc ggtaaatttc tgggtggggag aattcttaca 660
tgtnttcttt ngctttaagg gaactgggcn agttt 695

```

<210> 2516

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<400> 2516

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gcactccact ccttgtgctg cgctaggccc cccgtcccgg tcatggccat gctcagggtc 60
cagcccgagg cccaagccaa ggtggatgtg tttcgtgaag acctctgtac caagacagag 120
aacctgctcg ggagctatct cccaagaag atttctgagc tggatgcatt tttaaaggag 180
ccagctctca atgaagccaa cttgagcaat ctgaangccn attggacatc ccagtgcctg 240
atccagtcaa ggagaaagag aaagaggaac ggaagaaaca nganganaaa ggaa 294

```

<210> 2517

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c



1869

<220>  
 <221> misc feature  
 <222> (364)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (382)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (404)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (429)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (437)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (451)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (457)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (484)  
 <223> n equals a,t,g, or c

<400> 2517  
 tatacggaaa gctggtacgc ctgcaggtac cgggtccggaa ttccccgggtc gacccacgcg 60  
 tccgcatccg gacaccacag cggcccttcg ctccacgcag aaaaccacac ttctcaaacc 120  
 ttactcaac acttccttcc ccaaagccag aagatgcaca aggaggaaca tgaggtggct 180  
 gtgctggggg cccccccag caccatcctt ccaaggtcca ccgtgatcaa catccacagc 240  
 gagacctcgc tgcccgacca tgtcgtctgg tccctgttca acacctctt cttgaactgg 300  
 ngctgtctgg gcttcatagc attcgcttac tccgtgaagt ctagggaacag gaagatgggt 360  
 ggcnagcgtg accggggccc angcctatgc ctccaccggg caantgcctg aacatctggg 420  
 ccctgattnt gggcatnctc atgactcatt nggattnatc cttgttactt ggtatttctg 480  
 cttntgtgac agtctaccat tattttat 507

1870

<210> 2518  
<211> 565  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

## 1871

<220>  
 <221> misc feature  
 <222> (305)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (312)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (462)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (495)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (497)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (542)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (547)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (552)  
 <223> n equals a,t,g, or c

<400> 2518  
 gctngctatg ggcctagagt agcttaccta aatgctacta acctncctcc ataccattat 60  
 tgtaaagatt aaaggtgatg catctgttaa gtaactaata gagtgcctat taaaaggtat 120  
 gtgtncata agtattaatt cctttctnt ctttttctta ctagtgcact tgtgttttta 180  
 atggatcata ctttacccta tattgtattg tnggangcat cgtggatgga tggctgctgg 240  
 aaaccccttg ccataaccan ctcttcttca atacttaagg atttaccgtg gctntganta 300  
 atganaatth cnaaaccaca ttttgaaaaa ttatttccat cccagtgcata cttgtgttta 360  
 cttcttaaca atcattttct aacttgaaag ctggcattcc atgtcttcat ttttgggctg 420  
 tttcaatgca agggcttccc taaaacaaaa accaactggg tnaatgttat taagtgattt 480  
 gaaaaaaatt ggaanancct attccatcta tgcccttttga tgctacttta tattccggaa 540  
 anttaanttt cncctcattt tccaa 565

1872

<210> 2519  
<211> 543  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

## 1873

<220>  
 <221> misc feature  
 <222> (420)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (423)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (441)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (473)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (477)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (501)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (515)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (537)  
 <223> n equals a,t,g, or c

<400> 2519  
 gcacatagct agtcagtgac agactagtat ctgggtcact ggactcctta ctcaaaatct 60  
 actattttaat cagtctgtca gattaaccca cctggcataat gtacctggtg tgtgtgtataa 120  
 gctctgatgt aatcagctgt acttagttcc ttttagtggt cctatctctt tatccaagtg 180  
 tattaatttc atcttattaa atctttgaag tatcagacca tgagaangca tgaanaaacc 240  
 tgggctgana atcttcgcta tangaaacct gatcttgact gtatggctgg cttaagacgt 300  
 ttcacactgg aattgcaaca cacttattgg tgacctaaagg tgcattgtnt tttgcaaaat 360  
 ctctcantna aggaatttat tggctnaaaa ctcccttgaa tgccacaant gcggggcccn 420  
 ccnattaaaa gaaacaaagg nttttgctta aaaggccctt gaaaaccaat tcnaacncct 480  
 ggtccctcct cggaatttca naaaaaaat ccccnccctt tgaaccccc cctcaanaaa 540  
 aaa 543

1874

&lt;210&gt; 2520

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (89)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (167)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (233)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (248)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (275)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (333)

&lt;223&gt; n equals a,t,g, or c

1875

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<400> 2520  
gcgatgcgct gtatgccggt atggaacggg cagacgctga cgttcgtgca ggaccgaccg 60  
tcggataaga cgtggaccta taaccgcant aatgtggtga tgccggatga tggcgcgccg 120  
ttccgctaca gcttcagcgc cctgaaggac cgccataatg cccttnnagg tgaactggat 180  
tgacccgaac aacggctggg aaacggcgac aganccttgtt gaaagatacg cangccattg 240  
cccgtttncg gtcgttatgt ttncaaaaat tgatnccttt tngcttttac cagccggggg 300  
ggggggcccg gttaccccat tccccccct atngttgant tcccttatta aaatt 355

<210> 2521  
<211> 329  
<212> DNA  
<213> Homo sapiens

<400> 2521  
gctctctaga gccctagcag ttgaactggt agacaaagtg aacaatccag ataaccacgc 60  
acattacact gaagcagatg acgatgactt tgagcccat gcaatcattc gtcataccat 120  
tagatctaca aacaggaatg ccagagctga acggacagct tcagaaataa attttgacaa 180  
attacaattt gaacctcctc tgagaaaaga aacagaagca cgagatgaaa tgggattgtc 240  
atccagaccc aaatttcattg tttacagtgg aatccttttg ttgatggtgc aaatactggc 300  
aatcacctc aaaacgttgc aataccacc 329

<210> 2522  
<211> 339  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<400> 2522  
ctttaatctc atttccccct ccatttccag gtactgcaaa aagcctttga cttcaaactg 60  
cacaattcag atagcaacac ctgggaaagg caagaagtca acacccaaac ccacccctat 120  
tctagctgct ggttttttgc cagacaaaat gtcattgttg cttgtatatg gcagttgggt 180  
tcagcctact attgagcgag tggtagctta gctgctactc tggagtaaag caatatagca 240

## 1876

tccctgttgt ccatggaana aaattgattt taaaaataac aacattgggtc tttaagataa 300  
ataatatatc cttttttaat taaaggattc ttcatnatn 339

<210> 2523

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)



1877

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2523

```
gggaggagct agangagctg gagcaggagg aattggccca ggagttgtta aatgtgggcg 60
acaaggaaga agaaccctca gtcaaattgc ctagtgtacc ttctactcat ctgcggcagg 120
gccagctccc aaagtggatg aagatgaaga agcactaaag cagttggctg agtgggtatc 180
ctgataaatc tgggcttgtc ttctaatgc tacctttgtt ggccctttct tccttaagtg 240
ccaagtgtg agctaaagga gaattgcagc tgantatgct cgaaatagtt catccangtc 300
angtggagaa acactatcgg gaaatggaag aaaaattagc actgattatt cagaaacatt 360
ggaaagggtc agggaaaggg aaaattttna ccaacngaag cngnctctta tanaa 415
```

&lt;210&gt; 2524

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2524

```
gatggttcag agaaaatatt actgattgtg cttgtcccag catttagcat gttgaagttt 60
tgtatataag aagtttttagc atagtggatt ttttataagt aggttaaaaa atactatttg 120
tatgttcagt taaactttct ctgtatgttt gtctgttaca gctcagtcct tttgtttaca 180
gcgagtttgc caggagagaa aaccttcacg ttccattact tgacccgact ctatgagcat 240
t 241
```

&lt;210&gt; 2525

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (506)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (518)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (530)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (531)

1878

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2525

```

gctcggatca ggatttaaac cggatgagga gtgaattgct ggtgcctggg tcacagctta 60
ttttaggtcc ccatgaatcc aagataccta tacttttgat tcagcagcca ggaaaagtga 120
ctggtgaaga tcgactaggc tggggaagtg gctgggatgt cctactccca aagggctggg 180
gcatggcttt ctggattcca tttatttatc gaggtgtgag agtcggaggg ttgaaagagt 240
ctgcagtgca ttctcagtat aagaggtcgc ctaatgtccc aggcgatttt ccagactgcc 300
ctgccgggat gctgtttgcg gaagagcaag ctaagaatct tcttgaaaag taaaaagac 360
gccctcctgc aaaacggccc aactacgtta agcttggcac tctggcacct ttctgctgtc 420
cctgggagca gttaactcaa gactgggagt caagagtcca ggcttacgaa gaaccttctg 480
tagcttcac tccnaatggt aagganagtg accttagnaa gatctgaagn nccttg 536

```

&lt;210&gt; 2526

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (28)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (435)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2526

```

cgcgacgntg ggcggttccg cggcgcgntc ggtcggcgcc tattctcggg ctgtttggcg 60
gaggcttggga atagttaa atgactttggtc ttgtccaagg ttagatggag ttcaactcta 120
acgtcaagtc ttggtccttt tcattgacga agcttcacaa aagatgtcta agcaacagcc 180
aactcagttt ataaatccag aaacacctgg ctatgtttgga ttgcaaacc tccccaatca 240
agttcaccga aaatcagtga aaaaagggtt tgagttcaca ctgatggtgg tcggtgaatc 300
aggtctagga aaatcgactc tcataaacag cctattccta actgatctgt acccagaaaag 360
agtcatacct ggagcagcag aaaaaattga aagaactgtc cagattgagg cttcaactgt 420
tgaaattgaa gagcnagggg tcaagctacg gcttgnacgt ggtagatacc cctggctatg 480
ggtgacg 487

```

&lt;210&gt; 2527

&lt;211&gt; 410

1879

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (251)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (363)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2527

```

ttanccctca ctaaagggnn caaaagctgg ggctccaccg cggtgacgac cgctctagaa 60
ctagtggntc ccccgggctg caggaattcg gcacgagggc cgttctggag ctgttgataa 120
gagagctcgg gaagctggaa atataaatca atccctgttg actttgggaa gggtcattac 180
tgcccttgta gaaagaacac ctcatgttcc ttatcgagaa tctaaactaa ctagaatcct 240
ccaggattct nttggagggc gtacaagaac atctataatt gcaacaattt ctcctgcattc 300
tctcaatctt gaggaaactc tgagtacatt ggaatatgct catagagcaa agaacatatt 360
gantaagcct gangtgaatc agaaactcac caaaaaagct cttattaagg          410

```

&lt;210&gt; 2528

&lt;211&gt; 100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

1880

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 2528  
cctgggaatg taatgagtgt ggaaaagaca ctctcggatg tcttacctcn ctgtacctta 60  
tgtaactcat tcatganana aaccctatna ntgtgctgaa 100

<210> 2529  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>

## 1881

<221> misc feature  
 <222> (342)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (428)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (437)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (446)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (471)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (473)  
 <223> n equals a,t,g, or c

<400> 2529  
 gccgnacgac tgttacagag gtctccagag ccttctctct cctgtgcaaa atggcaactc 60  
 ttaaggaaaa actcattgca ccagttgcgg aagaagaggc aacagttcca aacaataaga 120  
 tcaactgtagt ggggtgttga caagttggta tggcgtgtgc tatcagcatt ctgggaaagt 180  
 ctctggctga tgaacttgct cttgtggatg ttttgggaaga taagcttaaa ggagaaatga 240  
 tggatctgca tcatgggagc ttatttcttc anacacctaa aattgtggca gataaagatt 300  
 attctgtgac cgccnattct aagattgtag tggtaactgc angagtccgt cagcaagaag 360  
 gggagagtcg gctcaatctg gtgcagagaa atgttaatgt cttcaaattc attattcctc 420  
 agatcgtnaa gtacaantcc tgattncaat cataattgtg gtttccaacc nangtggaca 480  
 tttc 484

<210> 2530  
 <211> 593  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (2)  
 <223> n equals a,t,g, or c

<220>

1882

<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1883

<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)

1884

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c



1885

<220>  
 <221> misc feature  
 <222> (547)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (560)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (576)  
 <223> n equals a,t,g, or c

<400> 2530  
 tnttagngcc cgcagnncnc ggtccggaat tcccgggtcg acccacgcgt ccgactagtt 60  
 ctagttcgcg agcgcccgct ctagaggatn caaggttacg tacgcaacca tgccagncna 120  
 angctntttn antggggcnn cnaaantnaa nttannnggc cgcngtttnn caacgtcgtg 180  
 actgggaaaa ccctggcggt acccaactta atcgcccttc agnacatccc cctttcgcca 240  
 gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga 300  
 atggcgaaatg ggacgcgccc tgtagcggcg cattaagcgc ggnggggtgtg gtggttacgc 360  
 gcagcgtgac cgctacactt gccagcgcgc tagcgcccgc tcctttcgct ntcttccctt 420  
 cctttntcgn cacgttcgcc ggctttcccc gtcaagctct aaatcggggg ctnccttttag 480  
 gggtccgatn tagtgcttta cggcacctcg accncaaaaa acttgattag ggtgatggnt 540  
 cagtgantgg gccatcgach tgatagacgg atattngccc tttgacgttg gag 593

<210> 2531  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (11)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (15)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (44)  
 <223> n equals a,t,g, or c

<400> 2531  
 ccctcactaa nggancaaaa gctgggtgctc caccgcgggtg gcnccgctc tagaactagt 60  
 ggatcccccg ggctgcagga attcggcacg agaatgtcag gtaattgtta gccaaccaat 120

## 1886

```

catattttaa actgagacac caagtaattg actggaatct ctttgtaccg gatttactaa 180
gtggtggggt ttctcatgga gtgagctgtt gggagttcca ctatttcatt ggaatatgga 240
caaatttttag aatgaaaggt aaacacttgg gagagagaga gagaaagaaa cacagacgaa 300
gg                                                    302

```

<210> 2532

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<400> 2532

```

gccttctctn aatgaggctc cctgctcagc tcctggngct gctaagtctc tgggtctctg 60
gatccagtgg gaattattgtg atgactcagt ctccactctc cctgcccgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
at ttggattg gtacctgcag aagccagggc agtctncaca gctcctgata tatttggggt 240
cta atcgggc cttcnngggn tccttgacag gnttt                                     275

```

1887

<210> 2533  
<211> 498  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<400> 2533  
tttntatnat ttgcgaactc ccgttaaage ttgtacgcc tgcaggacc ggtccggaat 60  
tcccgggtcg acccacgcgt ccggnctctg cntataacaa gcttaaaaac ataccaacng 120  
tcaatgaaaa ccttgaaaac tattacctgg aggtcaatca acttgagaag tttgacataa 180  
agagcttctg caagatcctg gggccattat cctactccaa gatcaagcag aagctcttta 240

## 1888

tgtcaatcgc atctcagaaa ccagtcctcc accggatatg tatgaatgtc tacgtgttgc 300  
taacgaagtc actcttaatt aatatctgta tcctggaaca atattttatg gttatgtttt 360  
tctgtgtgtc agttttcata gtatccatat tttattactg tttattactt ccatgaattt 420  
taaaatctga gggaaatggt ttggaaacat ttattttttt taaaaaaaaa naanaagggc 480  
ggccgctcta gaggatct 498

<210> 2534

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<400> 2534

gccccgcgct ccggggccgtc atggcgcccc gaaccctcct cctgctactc ttggggggccc 60  
tgggccctgac ccagacctgg gcgggctccc actccatgag gtattttcacc acatccgtgt 120  
cccggccccg ccgcggggag ccccgttca tcgccgtggg ctacgtggac gacacgcagt 180  
tcgtgcggtt cgacagcgac gccgngagcc agaggatgga gccgcgggcg ccgtggatag 240  
agcaggagag gcctgagtat tgggaccagg agacacggaa tgtgaaggcc cactcacaga 300  
ttgaccgagt ggacctgggg accctgcgcg gctactacaa ccagagcgag gccggttctn 360  
acaccatnca natgatgtat ggctgcnacg tggggttcgg acgggcgctt cctncgcggg 420  
taccaacat 429

1889

&lt;210&gt; 2535

&lt;211&gt; 565

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (263)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (383)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (499)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (538)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2535

```

gggaagcntg ctntgacctt gccaaaggagc agggcccata cgaaacctat gagggctctc 60
cagtttagcaa aggaattctt cagtatgata tgttgaatgt tactcctaca gacctatggg 120
actggaaggt tctcaaggag aagattgcaa agtatggat aagaaacagt ttacttattg 180
ccccgatgcc tacagcttcc actgctcaga tcctgggggaa taatgagtcc attgaacctt 240
acaccagcaa catctatact cgnagagact tgtcaggaga atttcagatt gtnaatcctc 300
acttattgaa agatcttacc gagcgggggcc tatggcatga agagatgaaa aaccagatta 360
ttgcatgcaa tggctctatt canagcatat cataaattcc tgatgacctg aagcaacttt 420
ataaaaactgt gtgggaaatc tctcagaaaa ctgttctcaa gatggcagct gagagaggtg 480
ctttcattga tcaaaagcna tctttgaaca ttccacattg cttgagccta aaccttantt 540
tggggggggcc cccaaaaaaa accccc                                     565

```

## 1890

<210> 2536

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

<400> 2536

```
gcactatgca agctcnggat aacatcacga ncgcccggt gctgcagcag gaggttctgc 60
agaacgtctc ggatgctgag agctgttacc ttgtccacac cctgctggag ttctacttga 120
aaactgtttt caaaaactac cacaatagaa cagttgaagt cagggatnct nantncattc 180
tctan 185
```

<210> 2537

<211> 575

<212> DNA

<213> Homo sapiens

1891

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (473)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (505)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (507)  
<223> n equals a,t,g, or c

1892

<220>  
<221> misc feature  
<222> (521)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (531)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)  
<223> n equals a,t,g, or c

<400> 2537  
gccactngt cgcgccggat attaatagtc ttggaaagcg gtttctacag ctgctgcttt 60  
gcctgcaaat agcaatgctt ttcccaaaca tgcacataac actgccttct cttaacgaga 120  
acctccaaaa taaacaatag tcacccttga cctactaaac agtcatcaca tagagatgag 180  
tttttatcct caccttcttg cttcttcagt gaacaagtag taacaagcag cttctggatg 240  
tgccctngaac tgacttggna taccaatggt tgccaaaaat gnataaagng caaattgaaa 300  
aacacaggag actacatcta tatcagtgac acattttctt tcctttctta cagggttttg 360  
gaaattggcc atctgcatgg caaagaccga tctttctctg nctcaccaac ctgacaaaaa 420  
aggtgtgcc aaggacttna tcttacctat cagtgatgtc cgggccagca tangtgcttg 480  
gggtcaatta ctttggtcg gaacngngca cactgacat natggctcgg ntggactctg 540  
gaaagangaa aatggtggac atgtttgggc ataaa 575

<210> 2538  
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<212> DNA  
<213> Homo sapiens

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1893

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ggtcaaagga ggcaccaagt gcatcaaata cctgctgttc ggatttaact tcattctctg 180  
gcttgccggg attgctgtcc ttgccattgg actatggctc cgattcgact ctcagaccaa 240  
gagcatcttc gagcaagaaa ctaataataa taattccagc ttctacacag gagtctatat 300  
tctgatcgga gccggcgccc tcatgatgct ggtgggcttc ctgggctgct gcggggctgt 360  
gcaggagtcc cagtgcattgc tgggactgtt ctccggcttc ctcttggtga tattcgccat 420  
tgaaatagct gcggccatct ggggatattc ccacaaggat gaggtgatta aggaagtcca 480  
ggagttttac aaggacacct acaacaagct gaaaaccaag gatgagcccc agaggggaaac 540  
gctgaaagcc atccactatg cgttgaactg ctgngggntn ggctgggggg cgtgggaaaca 600  
agnttatctc aagaaaaatnt ggccccaa 628

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<220>  
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1894

<222> (21)  
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## 1895

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<400> 2539

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ccggtggggct cctgggagat gctttcctgc acctnattcc tcatgctctt gaacctcatt 120
ctcaccacac tctggagcaa cccggacatg gacactccca cagtggccag ggccccattc 180
tgtctgtggg actgnnggnt ctcagnggaa ttgntgcctt tnttgacgtg gagaaaatttg 240
ngagacatgt gaaaggagga catggtcaca gtcatggaca tggacacgct cacagtcata 300
cacgtggaag tcatggacat ggaagacnag agcgttctac canggagaag cngatctcag 360
aggaagaaga ttaggaaacn agaagggttc aaaaaaanng aagaaggaac acagtaccca 420
agatggccca ngagaactca gaacgctgna aa 452
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1896

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 <213> Homo sapiens

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 acatcacccct ctgtgacttc atcgtgccct gggacaccct gagcaccacc cagaagaaga 180  
 gcctgaacca caggtaccag atgggctgcg agtgcaagat cacgcgctgc cccatgatcc 240  
 cgtgctacat ctctctcccc gagcagtgcc tctggatgga ctgggtcaca gagaagaaca 300  
 tcaacgggca ccaggccaag ttcttcgcct gcatcaagag aagtgcggc tcctgtgcgt 360  
 ggtaccgcgg cgcggcgccc cccaagcagg agtttctcga catcgaggac ccataagcag 420  
 gccttcaacg cccctgtggc caactgcaaa aaaagccttc aagggtttcg actggtccag 480  
 ctctgacatc ccttcttggg aacagcatga ataaaacact catcccatgg gttccaaatt 540

1897

aaanaatnnn n

551

&lt;210&gt; 2541

&lt;211&gt; 669

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (374)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (406)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (441)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (533)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (547)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (549)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc. feature

&lt;222&gt; (552)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (608)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (615)

&lt;223&gt; n equals a,t,g, or c

1898

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<220>  
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gagctgagca ggcggaggcc gacaagaagg cggcggaaga caggagcaag cagctggaag 180  
atgagctggt gtcactgcaa aagaaactca agggcaccga agatgaactg gacaaatact 240  
ctgaggctct caaagatgcc caggagaagc tggagctggc agagaaaaag gccaccgatg 300  
ctgaagccga cgtagcttct ctgaacagac gcatccagct ggttgaagaa gaagtttgga 360  
tcgtgccccaa gaancgttct ggcaacagct ttgcagaaac ttggangaag cttgagaagg 420  
cagcagatga gagtgagaga ngcatgaaag tcattgagaa gtcgagccca aaaagatgaa 480  
gaaaaaatgg aaattcagga gatccaactg aaagaagcaa agccattgtt aanatccgac 540  
cggaatntna anagggggcc gtaactggca ttattgaaaag gactggaact gcaaaaagacg 600  
gctgactnta aaagnaattg ccnacttgaa aaaattgaaa ctgggcnaaa ctgancctgg 660  
agttaggtt 669

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<212> DNA  
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1899

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<220>  
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ttcgctgcg ccaagctcgc ctgcaccccc tctctgatcc gagctggatc catagttgca 180  
tacagaccaa tttctgcntc agtgtttatc tcgaccagaa gctaataanga ctggaaaagg 240  
ctcttncggg atttaatggg gcccaaatgg ttttttcttc aanttatccc caagggattt 300  
tccaaancna 310

<210> 2543  
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<220>  
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<220>  
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## 1900

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ttggagtgtg ttttcatcct gtttttgaca ctaagcagat acgaaatggg gttaaaagta 180  
ttggtgagaa gactgaagct tcgttagtat ggtttactcc tccgagaact tcaaaccagt 240  
ggcttgattt ctggttacgt catcgactcc agtgggtggag aaagtttgcc atgagtccat 300  
ctaacttcag cagcagtgac tgtcaggatg aagaaggccg gaaaggaaac aaactttact 360  
acaattttcc cctggggaaa ggagttaata gaaaccctgt ggaacctaag agatccgaac 420  
ttttacacat gtatcctggc aatgnggcta aattaccatg gccgaaatgg acgaaaaaat 480  
gnggntcctt ggggtcctct ctggaaatgg ggacctanac ccgaggcatg ctgnctaact 540  
ntatgattct ttt 553

<210> 2544  
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<212> DNA  
<213> Homo sapiens

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<220>  
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## 1901

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<222> (61)

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1902

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<220>  
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## 1903

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<220>  
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<220>

## 1904

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<220>  
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caatgctggg caattgaaat gtntataaga attgctcagc agcaganatc ttntggcaaa 180  
gtnggngggg nattccangn nttctcacag ggctctncaa ggaacgatag ctnanaatnc 240  
agagactgac atgcagggtcc ttgaaaaact atctggcaaaa cttnntgaaa ganctctgaa 300  
agatttttnag atgatacgan ggatgaaant gaaactgaat cctcaaaatt ccnaagtaat 360  
gccntggggac ccccnttact acagtgggtgt gattcgtgca gaaaggtna atattgagcc 420  
cagcctatat tgccccgnntt tctntcttgg agcatgcatg gaaagcctga atattn 476

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## 1905

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<220>  
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 <223> n equals a,t,g, or c

<220>  
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<220>  
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 ngcacagttt tctctcttgg agcatgcatg gaaggcctga atattttgct taacagactg 120  
 ttggggattt cattatatgc agagcagcct gcaaaaaggag aggtgtggag cgaagatgtc 180  
 cgaaaactgg ctgttgttca tgaatctgaa ggattgttgg ggtacattta ctgtgatttt 240  
 tttcagcgag cagacaaacc acatcaggat tgccatttca ctatccgtgg aggcagacta 300  
 aaaggaagat gggagactat ncaactccca gttgtaagtt cttatgctgg aatcttcccc 360  
 gttcccgnna gggagttctc caacttttggc naangcctgg gcatgatggg aaaacctttc 420  
 ccagganggg ggac 434

<210> 2546  
 <211> 591  
 <212> DNA

## 1906

<213> Homo sapiens

<220>

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<222> (4)

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<220>

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<222> (34)

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<222> (399)

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<222> (455)

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<222> (527)

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<220>

<221> misc feature

<222> (529)

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<220>

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<222> (567)

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<220>

<221> misc feature

<222> (585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

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ccaaccctgg acacgaaggc cccacccggc cggagaacga aaccctgggg tcgtctgaag 120  
aggaggggcca ggagtcccca gggccagaca gcgaagcccc agagctgctg cggagctgaa 180

## 1907

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caccgagggtc cccaagccct ccgcaaagga cgtggagatc ctggagcaag agagcgaagt 240
cctcgagcca tcagtcgagc aggacgcaga gagccccggg ctgtccacag ctgcgggctt 300
tgagagtcct gagccaggca gagacgaccc tgggccgtcc gaagcgcaaa gggcggagggt 360
ccaggggagcag catccccctc caggccctaa gacctcctnc tccaggtcag gctcgggaagc 420
ccccacactg cgttttccgc cgtgccccga ggctnccag cgtcccccgaggaggcggtt 480
catggagacg cccatcgagc gcgaaatccg ccggagctgc gaacgcnang agaagctgcg 540
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<210> 2547

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature ,

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<400> 2547

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ggttcaagag agagacaggg gttgatttga ctaaagacaa catggcactt cagagggtac 60
gggaagctgc tgaaaaggct aaatgtgaac tctcctcatc tgtgcagact gacatcaatt 120
tgccctatct tacaatggat tcttctggac ccaagcattt gaatatgaag ttgaccctgtg 180
ctcaatttga agggattgtc actgatctaa tcagaaggac tatcgctcca tgccaaaaag 240
ctatgcatga tgcagaagtc atcttgagtg acatangaga agtgantcct gtgngtggca 300
tgactaggat gcccatgttc ngcagactgn c 331

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<210> 2548

<211> 558

<212> DNA

<213> Homo sapiens

## 1908

<220>  
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<220>  
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<220>  
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<222> (417)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (507)  
<223> n equals a,t,g, or c

<220>  
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<222> (517)  
<223> n equals a,t,g, or c

<220>  
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<222> (529)  
<223> n equals a,t,g, or c

<220>  
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<222> (534)  
<223> n equals a,t,g, or c

<220>



## 1909

<221> misc feature  
<222> (542)  
<223> n equals a,t,g, or c

<400> 2548  
gctcgggagn tgaccaagaa gttgcgggaa caggggtctc tgctggggaa gctgggtccag 60  
aatggaacag aaccttcac cctgccattc ttggacccca atgcccgcgc cctgggtacca 120  
gaggtctcca ttaaggtaca gaggtagagt gggagagtgt tgcaagctct agcacagtag 180  
ttatattctg cccacaattg ggggggtgaac acaggagaga atcaaaggag gctttgaagg 240  
taggagttgg tgcaggcata tcttataccc actgagcaca gctgccaact gttgcccttt 300  
attcgtctat ttctcagact ccacgggtat tcaatacagg gggtgcccct cggatccttg 360  
ctttggactg tggcctcaag tataatcaga tcgatgcctc tgcancgtgg ggctgangca 420  
ctgtngtacc ctgggacatg cactanacag ccaaantttg agggctcttc ttaagtatgg 480  
gctggtgacc tgctctattc catgcgnatc cactgancgg tttattganc tatnccgact 540  
gntttggact gctggcac 558

<210> 2549  
<211> 313  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

## 1910

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<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
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<222> (47)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (49)  
<223> n equals a,t,g, or c

<220>  
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<222> (53)  
<223> n equals a,t,g, or c

<220>  
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<222> (62)  
<223> n equals a,t,g, or c

<220>  
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<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
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<222> (125)  
<223> n equals a,t,g, or c

<220>

## 1911

<221> misc feature  
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<220>  
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 <222> (241)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (268)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (287)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (297)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (304)  
 <223> n equals a,t,g, or c

<400> 2549  
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 tnatnggtgt ttnggacatt tatggtttcg aaacctttga tgtgaacagc tttgaacaat 120  
 ttgcncccaa attacgctna tgaaaaactg caacaacagt ttaacatgca tgtcttcaaa 180  
 ctggaacaag aagaatacat gaaggaagat ataccttgga cgctgataga tttttatgac 240  
 natcaaccag tttttgacct gattgaanca aaatgggaat cctgganttt ctggatnaaa 300  
 aatntttgtt tcc 313

<210> 2550  
 <211> 505  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (5)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (67)  
 <223> n equals a,t,g, or c

1912

<220>  
 <221> misc feature  
 <222> (68)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (103)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (104)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (469)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (474)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (483)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (490)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (496)  
 <223> n equals a,t,g, or c

<400> 2550  
 agggnaagct ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 60  
 gcccatnntt ccgctagctt tctccgatta taaacaacac tgnnctgaac atccttgtgg 120  
 cacggtcttt gctcacatgc agggttatatt tgccagtgtc ggttcctgga aaaaaaatag 180  
 ttgggcagag aatgtacaca cttttgggac tcgtaatgcc tctcctggga aaggcggggc 240  
 ccgtctttctg cteccccaac agtgtgggaa acggtaccct ctcccttgct gggcagcaag 300  
 cacctcttcc cagtgtgat ggaatcttgg tgccctctgc cctcagctgc acagaagctc 360  
 tgccgcctct tgggactggg ggtgacggat ttctcccgag ccttgctcac ccctcgcatc 420  
 aaagttggcc gagactatgt gcagaaagcc cagactaagg aacaggtang cggngctggc 480  
 ggnngggcaan gcacanaaag agccg 505

## 1913

<210> 2551

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<400> 2551

ctngaagatt tgcattgactt gctagcttca ttgntgaata atgcatntga tgactatcta 60  
aatgccatga tnagttaggc tccaatgccc atcagntttg ccatgttcct naccatgtt 119

<210> 2552

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2552

## 1914

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gaaagtgtctg atgaggaatc tggctctgcc tgaggacgtc cgaggggaagt gcacgagcct 60
gctgcagctc tatgatgcct ccaacagcga gtggcagctg ggggaagacca aggtctttct 120
tcgagaatcc ttggaacaga aactggagaa gcggaggga gaggaagtga gccacgcggc 180
catggtgatt cgggcccattg tcttgggctt cttagcacga aaacaatata gaaaggctct 240
ttattgtgtg gtgataatac agaagaatta cagagcattc cttctgagga ggagattttt 300
gcacctgaaa aaggcagcca tagttttcca gaagcaactc agaggtcaga ttgctcggag 360
agtttacaga caatttgctg gcagagaaaa gggagcaaga anaaaaaaaa a 411

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<210> 2553

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 2553

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gaacagctta gcaaaggaaa ctttggagcc cctctctcag gcagcctggt tgcttcaggt 60
caagaagacc acagacagtg atgccaaggc gatctacgaa cgctgcacct cactgtctgc 120
tgtgcagatc ataaagntcc ttaattcata cacacctata gatgactttg agaagagagt 180
gactccatcc tttgttcgca aagtacagg 209

```

<210> 2554

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 1915

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (587)

<223> n equals a,t,g, or c

<400> 2554

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ggcaaaaggt acatcaaggc actggcagaa gaaaacagga atgtggtgga tgggccatac 60
gctggagtca tgacagctta tgatctgaag aaaacccttg ctgtgttatt agataacatt 120
ttgcagcgca ttggcaagtt ggagtcgaag gtggacaatc ttgttgtcaa tggcaccgga 180
acaaactcaa ccaactccac tacagctgtt cccagcttgg ttgcacttga gaaaattaat 240
gtggcagata tcattaacgg agctcaagaa aaatgtgtat tgcctcctat ggacggctac 300
cctcactgtg agggaaagat caagtggatg aaagacatgt ggcgttcaga tccctgctac 360
gcagactatg gagtggatgg atccacctgc tcttttttta ttacctcag tgagggttgaa 420
aattggtgtc ctcatctacc ttggagagca aaaaatccct acgaagaagc tgatcataat 480
tcattggcgg aaattctaca gatttttaat attctctaca gtatgatgaa aaaagcatga 540
aanaattccn ggtggatgag actacggatc cggcnaaatg gctnacncat ggatccaagc 600
aat                                                                 603
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<210> 2555

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

## 1916

<220>  
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 <222> (433)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (439)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (458)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (464)  
 <223> n equals a,t,g, or c

<400> 2555  
 gcgtgtcggg acgtgctggag gctctcactt tccgtcatgg cgctgaagga acaaacaatt 60  
 cctccgtccg ctaagtatgg cgggcggcac acggtgacca tgatcccagg ggatggcatc 120  
 gggccagagc tcatgctgca tgtcaagtcc gtcttcaggc acgcatgtgt taccagtgga 180  
 ctttgaagag gtgcacgtga gttccaatgg ctgatgaaga ggacattccg caatggccat 240  
 catgggccat ccgccgggaa ccgcgtgggc ccttgaaggg gcaacattcg aaaccaacca 300  
 ttaaccttgc caccgttcgc acaaattctt gaaacaacat nctttcggca ncagcttngg 360  
 acntctattg ccaacgttca ttccattggt aagagccttt ccaggcgtng gttgaaccgg 420  
 gcacaaggac ttngacatnc tccattggt ccggggganaa caanaggggg a 471

<210> 2556  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (100)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (113)  
 <223> n equals a,t,g, or c

<220>



1917

<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<400> 2556  
gcaataactca tcattaataa tcataatggc tatagcaata aaactaggaa tagccccctt 60  
tcacttctna gtcccagagg ttacccaagg caccctctn acatccggcc tgnttcttct 120  
cacatgacaa aaactagccc ccacttcaat catataccaa atctctccct cactaaacgt 180  
aagccttctc ctcaactctc caatcttacc catcatagca ggcagttgaa gtggattaaa 240  
ccatcccagc tagcnaaat ctnaacttac tectcaatta cccacatang atgaataata 300  
ncagtcctnc cgtacaacct ac 322

<210> 2557  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

1918

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (403)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<400> 2557  
gcaacaatat actctccgga caatgaacca taaccaatac taccaatcaa tactcatcat 60  
taataatcat aatggctata gcaataaaac taggaatagc cccctttcac ttctgagtcc 120  
cagaggttac ccaaggcacc cctctgacat ccggcctgct tcttctcaca tgacaaaaaac 180  
tagcccccat ctcaatcata taccaaattct ctccctcact aaacgtaagc cttctcctca 240  
ctctctcaat cttntccatc atagcaggca gtttnangtg gattaaacca aacccagctt 300  
cgctaaattct tagnatactc ctccaattan ccacatggga atgaaattat agcaggttct 360  
tacgggttana accctaacat taacngtcct gaattttaac ttntttnttt tatccctga 419

<210> 2558  
<211> 491  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>

1919

<221> misc feature  
<222> (248)  
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<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (468)  
<223> n equals a,t,g, or c

<400> 2558  
gggacaatga accataacca atactaccaa tcaataactca tcattaataa tcataatggc 60  
tatagcaata aaactaggaa tagcccccctt tcactttctga gtcccanaag ttacccaagg 120  
caccctctctg acatccggcc tgcttcttct cacaatgacaa aaactagccc ccactctcaat 180  
catataccaa atctctccct cactaaacgt aagccttctc ctactctct caatcttctc 240  
catcatanca ngcagttgan gtggattaaa ccaaaccag ctacgcaaaa tcttagcata 300  
ctcctcaatt acccacatan gatgaataat aacagttcta ccgtacaacc ttacataacc 360

## 1920

attctttaatt taactattta tattatccta actactancg cattcctact aatccactta 420  
aatccacan cacgaancta ctactatctc ncaccttaaa aaactttnat taaatacacc 480  
cttattcctc c 491

<210> 2559  
<211> 290  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<400> 2559  
gaatatactc tccggacaat gaaccataac caatactacc aatcaatact catcattaat 60  
aatcataatg gctatagcaa taaaactagg aatagccccc ttctacttct gagtcccaga 120  
ggttacccaa ggcaccctc tgacatccgg cctgcttctt ctcacatgaa caaaaactag 180  
ccccatctc aatcatatac caaatctctc cctcactaaa agtaagcctt ctcctcactc 240  
tctcaatctt ttccatcttn ncaggctntt anggtggatt naaaccaacc 290

<210> 2560  
<211> 566  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (50)  
<223> n equals a,t,g, or c

## 1921

<220>  
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<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
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<222> (105)  
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<220>  
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<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
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<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>

## 1922

<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (382)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
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<222> (410)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (493)  
<223> n equals a,t,g, or c

<220>  
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<222> (497)  
<223> n equals a,t,g, or c

<220>  
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<222> (499)  
<223> n equals a,t,g, or c

<220>  
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<222> (554)  
<223> n equals a,t,g, or c

<400> 2560  
gctcgtgccg aattcggcac gagcttctcc tcaactctctc aatcttatch atcatagcag 60

## 1923

```

gcatttgang tggattaaac caaanccagt tacgcaaaat cttancatac tectcaatta 120
ccacatanga tgaataatag cagttctacc ntacaacctt aacataacca ttcttnattt 180
aactatttat attatcctaa ctactaccgc attcctacta ctnaacttaa actccagcac 240
cagcacccta ctactatctc gcacctnaaa caagctaaca tgactaacac ccttaattcc 300
atccaccctc ntctccctag gangcctgcc cccgctaacc ggctttttgc ccaaattgggc 360
cattatcgaa gaattcacga cnaacnatag cctcatcctc cccaccatcn ttgnccacat 420
cacctcctta aactctaatt ctaactacgc ctaatctact ccacctcaat tacacttact 480
cccatntctt aanaacntna aaataaatgg acgttggaac attcaaaacc caccatttct 540
ccccacactc aaanacttaa cacgtt 566

```

&lt;210&gt; 2561

&lt;211&gt; 331

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (282)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (317)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (330)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2561

```

gaatcaacac cctcctagcc ttactactaa taattattac attttgacta ccacaactca 60
acggctacat agaaaaatcc accccttacg agtgcggtt cgaccctata tccccgccc 120
gcgctccctt ctccataaaa ttcttcttag tagctattac cttcttatta tttgatctag 180
aaattgccct ccttttacc cttaccatgag ccctacaaac aactaacctg ccactaatag 240
ttatgttcat cctcttatt aatcatcctc cttagcccta antctggcct atganttgac 300
taccaaaagg attagantgg aaccgaattt n 331

```

&lt;210&gt; 2562

&lt;211&gt; 539

&lt;212&gt; DNA

## 1924

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c



## 1925

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
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<222> (350)  
<223> n equals a,t,g, or c

<220>  
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<222> (351)  
<223> n equals a,t,g, or c

<220>  
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<222> (355)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

1926

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (488)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (516)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (525)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (538)  
<223> n equals a,t,g, or c

<400> 2562  
ncaaacccta gacaaaacac atngcctacc cctncnttgt actatcccta tgaggcataa 60  
ttataacaag ctccatctgc cnacgacaaa cagacctaaa atcgctcatn gcatactctt 120  
caatcagcca catagnccctc gtagtaacag ncattctcat ccaaaccctcc tgaagctnca 180  
ccgngncagt cattctcata atcgccccag gacttacatc ctcattacta ttctgcctag 240  
caaactcaaa ctacgaacgc actcacaggc gmnctcataat cctctctcaa ggacttcaaa 300  
ctctactccc actaatagnt ttttgatgac ttctagcaag cctcgctgan ntcgncttac 360  
cccccantga ttaacctact gggagaactc tctgtgctag taaccacgtt ctccctgatca 420  
aatatnactc tccngntnac aggactcaac atactaatcg cagggcctgg tgctccctct 480  
aacatatntc gcacaaacgn aaatgggggg gtcaantcac ccaanccaca tttgaacng 539

<210> 2563  
<211> 453  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (17)  
<223> n equals a,t,g, or c

## 1927

<220>  
<221> misc feature  
<222> (74)  
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<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>

1928

<221> misc feature  
<222> (288)  
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<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

1929

<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (411)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<400> 2563  
gatcataatg gctatancaa taaaactagg aatagcccc tttcacttct gagtcccaga 60  
ggttacccaa ggcnaaccct cctgaaatc cggcctgget tccttctcac attgaacaaa 120  
aaaactaagn cccccaatct caattcanta ttacccaaaat tcttcttccc ctccaactta 180  
aaaacgntta angcccnttc cttccctcca acttccttct tcnaaattcc tttaattccc 240  
attccaatta agccaagggg gcnnngnttg aaaaggggtg gggaatttna aaaaccccaa 300  
aaanccccc aagcntttnc ccgccaaaaa aattcctttt aannccaatt aacctncccc 360  
tnccaaaattt ttaaccccc nccctttttg gggnaattgn aaaantttta nttaangcca 420  
aggtttnccc ttaccgggt ttaccaaaan ccc 453

<210> 2564  
<211> 527  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)

## 1930

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

1931

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

## 1932

<220>  
<221> misc feature  
<222> (501)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (505)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (516)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (518)  
<223> n equals a,t,g, or c

<400> 2564  
gcctctgagc aaggtccctc tgcagcanaa cttccaggac aaccaattcc aggggaagtg 60  
gtatgtggta ggcttgcan ggaatgcaat tctcagagaa gacaaagacc cgcaaaagat 120  
gtatgccacc atctatgagc tgaaagaaga caanagctac aatgtcacct ccgtcctggt 180  
tangaaaaag aagtgtgact actggatcan gacttttggt ccangttgcc ancccggcga 240  
gttcacgctg ggcaacatta ananttacc tggattaacn anttacctcg tccgagtngt 300  
gancacaact acnaccagca tgcnttggtg ttcttccaaa aaatttctcn aaacanggaa 360  
ttcttccana tcaccctctn ggaaaaacca ngaacttgac ttccggaact taaaggaaaa 420  
acttctctcc cctcctccca attctcctgg gcccccttaa aaaccactct ctttcccttt 480  
tcccatcca acantttttt naaanggtga attttnangt ttcccc 527

<210> 2565  
<211> 547  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c



## 1933

<220>  
 <221> misc feature  
 <222> (415)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (490)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (493)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (503)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (521)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (537)  
 <223> n equals a,t,g, or c

<400> 2565  
 gcagggtttc tgtgtgttgg gtgncggggg gggtgaaagc caccagggga ggcagccaaa 60  
 ggaaanaagg acatctggtg ctggagggtc tgagtggggt ccagggggccc caggcaggcc 120  
 aggaggggaca gcctggtgtc agctcaggga gaaggccag gcccatctcg gctgggtggg 180  
 gtaggggccc tccaggtagt gggggatgag ctgtcacggg ttggggccga ctgagagcaa 240  
 cagaaccctg ctgctgccct ggccccacct tgtccagcac aggaggccca agcctgggtt 300  
 gtctccccct tcaccaccc atctctccct cccaaggaaa aagaagtgtg actactggat 360  
 caggactttt gttccangtt gccagcccg cgagttcacg ctgggcaaca ttaanagtta 420  
 ccctggatta acgagttacc tcgtccgaat ggtgagcacc aactacaacc agcatgctat 480  
 ggtgttcttn aanaaagttt ctnaaaacag ggaagtactt naagaacacc ttttacngga 540  
 gaaccaa 547

<210> 2566  
 <211> 593  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (4)  
 <223> n equals a,t,g, or c

1934

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2566

```
ccanccctca ctaagggaac aaagctggng ctccaccgcg gtggcggccg ctctagaact 60
agtggatccc ccgggctgca ggaattcggc acgaggggtc ccgggcgcgt ttcgggtgct 120
ggcggctgca gccgagttca aacctaaagca gctggaaggc ccctgtggct aggtaccata 180
gagtctctac acaggagtaa atcagcctgg tgtgcagggg aggcagacac acaaacagaa 240
aattggacta cagtgcctaag atgctgtaag aagagggttaa ctaaaggaca ggaagatggg 300
gccaagagat ggtgctactg tctactttag ggatcgtctt tcaaggcgag gggcctccta 360
tctcaagctg tgatacagga accatggcca actgtgagcg taccttcatt gcgatcaaac 420
cagatggggg ccagcggggg cttgtgggag agattatcaa gcgttttgag cagaaagggt 480
ccgccttggt ggtctgaatt catgcaagct tccgaagatc ttctcaagga acactacgtt 540
gacctgaagg accgtccatt ctttgccggc ctggtgaaat acatgcactc agg 593
```

&lt;210&gt; 2567

&lt;211&gt; 416

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (365)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (370)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (393)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (396)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2567

```
gctggaagca ctgttcagcg atgtcaacat gcaggaatac cccgatttaa ttcacattta 60
taaaggcttt gaaaatgtaa tccatgacaa attgcctctc caagaaagtg aagaagaaga 120
```

## 1935

```
gagggaggag aggtctggcc tccaactaag tcttgaacaa ggaactggtg aaaactcttt 180
tcgaagcctg acttggccac cttcgggttc cccatctcat gctggtacaa cccacctga 240
aaatggactc tcagagcacc cctgtgaaac agaacagata aatgcaaaga gaaaagatac 300
aaccagtgac aaagatgatt cgctaggaag ccaacaaaca aatgaacaat gtgctcaaaa 360
agctnagccn acagaagtct gcgaaccaat tgnttnncca agtgaaatat ggggat 416
```

<210> 2568

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<400> 2568

```
gttcacctca ctaaggganc aaaagctgga gctccaccgc ggtgcggccg ctctagacta 60
gtggatcccc cgggctgcag gaattcggca cgagattccg tcctgcgcgg ttgttctctg 120
gagcagcggt cttttatctc cgtcgcgnctt ctctctacc taagtgcgtg ccgncacccg 180
atggaagatt cgatggacat ggacatgagc cccctgaggc cccagaacta tcttttcggt 240
tgtgaactaa aggccgacaa agattatcac tttaagggtg ataatgatga aaatgagcac 300
cagttatctt taagaacggt cagtttaggg gctggtgcaa aggatgagtt gcacattggt 360
gaagcagagg caatgaatta cgnaggcagt ccattaaagt aacactggca actttgaaaa 420
tgtctgtaca gccaacggtt t 441
```

<210> 2569

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

## 1936

<220>  
<221> misc feature  
<222> (445)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<400> 2569  
gagaaaagca gggaacatga gatcgatggg cgatctatatt cctgtacta tactggagag 60  
aaaggtcaaa atcaagacta tagaggtgga aagaatagca cttggagtgg tgaatcaaaa 120  
actctggttt taagcaacct ctctacagt gcaacagaag aaactcttca ggaagtattt 180  
gagaaagcaa cttttatcaa agtaccacag aaccaaaatg gcaaatactaa agggatatgca 240  
tttatagagt ttgcttcatt cgaagacgct aaagaagctt taaattcctg taataaaaagg 300  
gaaattgagg gcagagcaat caggctggag ttgcaaggac ccaggggatc acctaatagcc 360  
agaagccagc catccaaaac tctgtttgtc aaaggcctgt ctgaggatac cactgaagag 420  
acattaaang gagtcatttg acggnntccg nttcggggcca aggatagttt actggccccg 480  
ggaaaactng ggtncctccc aaaggggttt tgggtttttg 520

<210> 2570  
<211> 416  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

1937

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>

## 1938

<221> misc feature  
<222> (396)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<400> 2570  
gcagcggctc cnggttcttg aaggccctga ccttcattggc cgtcggagga ggactcgcag 60  
tcgccgggct gcccgcgctg ggcttcaccg gcgccggcat cgcggccaac tcggtggctg 120  
cctcgctgat ganctggtct gcgatcctna atgggggagg cgtgcccgcc ggggggctag 180  
tgccacgct gcagagcctc ggggctggtg gcagcaaagt cntcatangt aatattggtg 240  
ccctgatggg ctacgccacc cacaantatc tcgatagtga ggaggatgan gaganccag 300  
cagctnccan aacctcttct tccttcttgg cctaactctt ccagntagga tctagaactt 360  
tgcccttnat ttttttttta tttttttttg aaananggtt ctcactatat tgnccag 416

<210> 2571  
<211> 432  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)

1939

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (409)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2571

```
tcacacgcct gcagttcacc accaccgtgg tctcttgctg tcccgcggan tgcagactga 60
agggaagcaac ggcaagaaag aagtgtctgag cggtttccaa gtggtgctgg aagacacagt 120
gcttttccct gagggcgggg gacagcctga tgaccgtggt acaatcaatg acatctctgt 180
gctgagagtg actctgtgct gagagtgact cgncgtgggg aacaggctga tcatttcacc 240
cagacacccc tggntccagg aagccagggt ctngtccgng tagattggga gcggagggtt 300
gaccacatgc agcagcattc agggcagcat ctcatcacgg cagttnttga ccatctattt 360
aagctgaaga caacatcatn ggagttaggg agatttcgga gtgcgattna gctggacacc 420
ccctctatga ct                                     432
```

&lt;210&gt; 2572

&lt;211&gt; 693

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (510)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (565)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (614)

&lt;223&gt; n equals a,t,g, or c

1940

<220>  
<221> misc feature  
<222> (635)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (663)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (687)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (688)  
<223> n equals a,t,g, or c

<400> 2572  
gcaaagactt gcccacctga ataagtgcct gatgaacttt aagctagggga atttcagcta 60  
tcaaaaaaac ccaactgaaat tgggagagct tcaaggaaac cacttcactg ttgntctcag 120  
aaatataaca ggaactgatg accaagtaca gcaagctatg aactctctca aggagattgg 180  
atattattaac tactatggaa tgcaaagatt tggaaccaca gctgtcccta cgtatcaggt 240  
tggaagagct atactacaaa attcctggac agaagtcatt gatttaatat tgaaacccccg 300  
ctctggagct gaaaagggct acttggttaa atgcagagaa gaatgggcaa agaccaaaga 360  
cccaactgct gcctcagaaa actacctgtc aaaagatacc cagaaataat cgcttaatgt 420  
atattcatag ctaccaaagc tatgtgtgga ataacatggt aagcaagagg atagaagact 480  
atggactaaa cctgttccag gggacctcgn tctcaaagga cccagcccc tatattgagg 540  
aagatgatgt aataattact ctatncatga tgtgggaatg ccttgccctgg tttcgatggg 600  
atctacccca agcnttaaaa ttcaagaagc ctacngggaa atgctcccag ttgacaatct 660  
ganatggcca cctgagaccc aaaatcnnaa ttt 693

<210> 2573  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>



## 1941

<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<400> 2573  
tcgaggctga cggtgacggt gttgataatg agatcaaact gccccgccag tgcttttcagt 60  
gcctgcggtat cgcgggtatt caccacttta tcggcaccca tcgccagcac ttctgtctct 120  
ttcgccggat tagaactaaa ggctgtcacc tcgcatccca ttgcgtgcag aagttttata 180  
gcatatgcc ccagcccgcc aataccaatt accccaacgc ggctggtagc agtgcataatg 240  
gtgcatcaac agtgggttaa agaccgtgga taccgncgca caacagcggc cccggnggac 300  
tcgatatcca atatTTTTct gggcagtggt attcacccat tgnccatncc gnacggaant 360  
tttnggcaag ccaccgggat ttcaaatacgt ggggnaccga acttggt 407

<210> 2574  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)

1942

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (363)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (383)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (389)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (397)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2574

```

ggcanagnaa acagaaaact gcaaaatatt gatgacaaaa attaaagaag acataaataa 60
atggagaaat ataccatgct catggattgg aagacttaca ttgctaaact gtcacttctc 120
cccagatgga tctacagagt ccacataatc tcaacttaaaa ctccagaaga aatTTTTatg 180
aaagttgaca gctgattcta aaatTTTaca tagaaatgca aaggTctccg aatagtcaaa 240
acaattagga aaaggaaaaa caagttggaa gacttacttt cgggctgggt taaaggtgga 300
ctacacagtt acagtaatca gataggttgg tattaggttg gacagttggt tcattggatt 360
ggntgcgggt tttggattng acncacacng aattgtncct tggTTTTtta atagt      415

```

&lt;210&gt; 2575

&lt;211&gt; 193

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (157)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (172)

&lt;223&gt; n equals a,t,g, or c

## 1943

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<400> 2575  
ggcagcggcg gcggcgcgga gagacgcagc ggaggttttc ctgggtttcgg accccagcgg 60  
ccggatggtg aaatcctccc tgcagcggat cctcaatagc cactgcttcg ccagagagaa 120  
ggaaggggat aaaccacagc ccaccatcca cgccagncgc accatgccgc tnctaagcct 180  
gcacagnccg nng 193

<210> 2576  
<211> 469  
<212> DNA  
<213> Homo sapiens

<400> 2576  
gaaacagagt ccagagctgg tgaagaagca caagaaaaag agggttgtcc caaaaagcc 60  
tccccatca cccaaccta cagggaaaat tgagatcaaa attgtccgcc catgggctga 120  
agggactgaa gaggggtgcac gttggctgac tgatgaggac acgagaaacc tcaaggagat 180  
cttcttcaat atcttgggtgc cgggagctga agaggcccag aaggaacgcc agcggcagaa 240  
agagctggag agcaattacc gccgggtgtg gggctctcca ggtggggagg gcacagggga 300  
cctggacgaa tttgacttct gagacaaac agcagagtgg agctgagctg tggacctctc 360  
gggcaactct gtgggtgtgg gggccctggg tgaattctgc tgcccctgct ggcagccacc 420  
ttgagacctc accgggcctg tgattttgc tctctgaact ctactcaa 469

<210> 2577  
<211> 347  
<212> DNA  
<213> Homo sapiens

<400> 2577  
ttgtaattta aggatcgggg accaaaaatg tttaaagact aaatgtgttc acattactat 60  
agatatgtct ataaggtgaa gattcttttc ttaggtatac aaatgtgatg ttgtatataa 120  
atgggcttcc caccacaaa tgcttattag cctaaaatgg cctgaaagct ctagttaatta 180  
aattatttct ctgcgtccta attttttgtc tttgaaacag attattttaga aaatcatgta 240  
cttcgcttaa gtttctaact tttacttgc ttttccagag ttatttatac caaatcctac 300  
aggggattgt gttttgtcac tctagaagag ttcttcacag agactta 347

<210> 2578  
<211> 330

1944

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<400> 2578  
gctcgtgccg aattcggcac gageggcacg agtaagggtt cctgctttca cagaattatt 60  
ccagggttta tgtgtcaggg tggtgacttc acacgccata atggcactgg tggcaagtcc 120  
atctatgggg agaaatttga agatganaac ttcatacctaa agcatacggg tcctggcatc 180  
ttgtccatgg caaatgctgg acccaacaca aatgggtccc agtttttcat ctgcactgcc 240  
caagactgat tggttgggat ngccaacatt tgtnttttg ggcaaagttt aaaagaaagg 300  
catgaatatt gttggaaagg ccatggaacn 330

<210> 2579  
<211> 323  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

1945

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>

## 1946

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 2579

```
gatccaggcc gggcccgagc agtactcagc ctgagtaaac tcgttgcccc gaagccctga 60
cctggtggac tacaccctgt caancccgagc acgtgctgnt ganacancca gaaccgcggg 120
cgggacgcac tgangagggc cntnagtcag tacctgacgg acaggggttcn ctggagggac 180
tgaagacggc cgngcccacc atggcgggcac aacanccccc gatacccatg ccagtgtgtg 240
tgccaaggat cancggtcac caccatgac tgctgccctc ggcacanggg cctngnccac 300
tggatgtgac cttctccat cat 323
```

<210> 2580

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

1947

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (508)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (521)  
<223> n equals a,t,g, or c

<400> 2580  
gntttggggt catccccctt ggccacaaag tcaactggcca tgtgctgcac atcctcctca 60  
agatgacatt catcgtccaa cgaccggtgg ctgctgctcc cttaggctct cccaaccaca 120  
gtttctccca attgctccaa atattcctca gcccagcagg tgggggaaat ggccaagggg 180  
tctgtaactt cagaaatgaa tgattgggac cagtctgtct cattataatc ctgaattaca 240  
tccacagcat ctccagctgc aagtcactct gggcccagtt ctcagacaag gccaaagtcgg 300  
ncacaccagg ggctctctgg ggagcctgga ggaagtttga ctcttnagtc tgcctgcatct 360  
cagccaggag ttcattccatc ttcaaggtct gaggggcacg ggatacaagg gtacactgtg 420  
gtcctgcagg aattnaccca ccaattcatc ttnagaagct actcccaaag gctttggaga 480  
ctgcctcaga ggctggggct cggaggcngn gcanggggtca ngcgtcaggc cttagtgtct 540  
ctgctg 546

<210> 2581  
<211> 478  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)

1948

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c



1949

&lt;400&gt; 2581

```
ncctgtggcg ggtgtgggga gcgagagccca gagctcctgt ggggcccgtg ctttggcggt 60
gggcccagcc gggagcagcc tctttcgaag gccgccgtga cctcttcaag ggcgtggaga 120
cggaagga aaggccccgg ttgggggttc agggcgccgg taacgttaac cggcgccctg 180
cctgtcctct aaccgtcgct cctcctccc ctagaaagat gttctcgtec gtggcgacc 240
tggcgcgggc gaacccttc aacacgccac atctgcagct ggtgcacgat ggtctcgggg 300
acctccgag canctncca gggcccacgg gccanccccg ncgcctcgca acctgcagcc 360
gncgncgtgg aagagtacag ttgtgaattt ggctncgcga agtattatgc actgtgtggc 420
ttttggtggg gtcttaantt gnggtctgac acanactgnt ggggttcccc tggattta 478
```

&lt;210&gt; 2582

&lt;211&gt; 340

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (262)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (271)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

## 1950

<220>  
<221> misc feature  
<222> (338)  
<223> n equals a,t,g, or c

<400> 2582  
attcggcacn aggtgaaaag gggcttggtg ttaaggaatg aaaagtgcaa tgagaactat 60  
accactgact tcattttcaa cctgtactct gaggagggga agggcatctt cgacagcagg 120  
aanaatgtgc ttggtcacat gcagcagggg gggagcccaa cccatttga taggaatttt 180  
gccactaaaa tgggcgccaa ggctatgaac tggatntctg ggaaaatcaa aaaaaattac 240  
cgtaatgggc ggatctttgc cnatactcca natccggctt tgttcttggg atacttaaaa 300  
ngcctggtct tccancagtg gctgactgaa agacaacnat 340

<210> 2583  
<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)

## 1951

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 2583

```
aaggtgaaag agctgaagag ggctaagacg gtgctcacgg tcattaaatg gaaaggggaa 60
aaatccaagt atccacagac ttcgccatgc agaatgttct gctgcagatg gggctgcacg 120
tgctggcggg gaacggcatg ctgattcgtg aggcccggag ctacatcttg cgctgccatg 180
gctgttttcaa gacaacgtct gacatgagcc gagtgttctg ctcacactgt gggaacaaga 240
ccctgaagaa atgtccgtga ccgtcagcga caacngcacc cttgcacatg cacttctccc 300
gcaaccccaa ggtgctgaac ccncggggt cgggtactcn cttcccactc ccaaangggg 360
gcaaataccc atcaaccca tctcnccaaa gatcacnct ccctccactt gcaatctcca 420
aaaggccagg cnaaaaacca ctnttcccc taatactccc cg 462
```

<210> 2584

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 2584

```
cggtcgcccc caccggcccc atggcagccc ccggcgcccc agctgagtag ggctacatcc 60
ggaccgtcct gggccagcag atcctgggac aactggacag ctccagcctg gcgctgccct 120
ccgaggccaa gctgaagctg gcggggagca gcggccgcgg cggccagaca gtcaagagcc 180
tgcggatcca ggagcaggtg cagcagaccc tcgnccggaa ggccgcagct ccgtgggcaa 240
cggaaatctt caccgaacca gcagtgttct gagtatgtct acaacctaca cttgttgaaa 300
atgattttgt tggaggccgt tcccctgttc 330
```

<210> 2585

<211> 273

<212> DNA

<213> Homo sapiens

<220>

## 1952

<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1953

<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<400> 2585  
gctcgtgncg attcgggcacn agacggggget cntcccatTT atcccagtggt ctcaacaact 60  
tnntttgccct cccctttctcc nccatggctt cccancttga catgtctncc gtgggtggggg 120  
caggggnaaa gcatacncca gactcttgna acaagtgttc cncctgggga ctctgtcaca 180  
agctccatag aagcctctca agtccnantg cctctggaaa gnctctccaa ttacattcnc 240  
accaccctgt gccccaaaaa aggggncccca tca 273

<210> 2586  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (431)  
<223> n equals a,t,g, or c

<220>

## 1954

<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (464)  
<223> n equals a,t,g, or c

<400> 2586  
gctctgacag tgacaaagag tggattgctg ctctgcgctcg gaaatatcga agccgagagc 60  
aaaccctgtc ctccagtggc gaaagctggg agactctgcc ggggaaagaa gagcgggaac 120  
ctccacaggc taaggtgagt gccagcactg gcaccagccc tggccccggt gctagtgcc 180  
gtgccggggc tggcgccggg gccaatgctg gcagcaatgg cagcaattac cttgaagaag 240  
ttcgagaacc atctcttcag gaagagcagg catccctgga agaaggagaa attccttggc 300  
tccagtacca tgagaatgac agtagcagtg aggggggataa tgattctggt cacgagttga 360  
tgcaacctgg ggtattcatg ctggatggaa acacaacctt gaagatgact tcagtgtgan 420  
cgaagaccta naantggatt ggaaccttnt tgatggattt gcanatgggt taaggaaatgg 480  
ct 482

<210> 2587  
<211> 478  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>

## 1955

<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<400> 2587  
gtctttgnac aatttaaatgg gaaaagatgc accgacgctg tgggagacag acgacagtgt 60  
gtgcccacag agccctgtga ggatgctgag gatgactgcg gaaatgactt tcaatgcagt 120  
acaggcagat gcataaagat gcgacttcgg tgtaatggtg acaatgactg cggagacttt 180  
tcagatgagg atgattgtga aagtgagccc cgtccccctt gcagagacag agtggttagaa 240  
gagtctgagc tggcactaac agcaggctat gggatcaaca ttttagggat ggatccccta 300  
agcacacctt ttgacaatga gttctacaat ggactctgta accgggatcg ggatggaaac 360  
actctgacat actaccgaag accttggaac gtggcttctt tgatctatga aaccaaaggc 420  
gagaaaaatt tcanaaccga acattcnaaa aacaaattgn ancatttaaa agtatcat 478

<210> 2588  
<211> 422  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<400> 2588  
ggaagaattc ctctgaaggg aacaagcatc acaagagtac acctctactc attcactgca 60

## 1956

```
gggatggatc tcagcaaacg ggaatatattt gtgctttgtt aaatctctta gaaagtgcgg 120
aacagaaga ggtagtggat atttttcaag tggtaaaagc tctacgcaaa gctaggccag 180
gcatggtttc cacattcgag caatatcaat tcctatatga ccgtcattgc cagcacctac 240
cctgctcaga atggacaagg taaagaaaaa caaccatcaa gaagataaaa ttgaatttga 300
taatgaagtg gacaaaagtaa agcaggatgc taattgtgtt aatccacttg gtgccccaga 360
aaagcttctg aagcanagga acaggctgaa nntntgaacc cncgagtggg cttgatgggc 420
ca 422
```

<210> 2589

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 2589

```
gcagngggac aacgccgctg tcgccctgct gcagcccttc ctggtggtca ccaaggaggc 60
ctttgacaga tcctttgagg tgaacctgcg tgcggtcatc caggtgtcgc agattgtggc 120
caggggctta atagcccggg agtcccaggg gccatcgtga atgtctccag ccagtgtctc 180
cagcgggcag taactaacca tagcgtctac tgctccacca agggtgccct gggacatgct 240
gaccaaggtg atggccctag agtcggggcc ccacaagctg tcccggtgta gatccgagtg 300
aatgcagtaa accccacagt ggtgatgacg tccatggggc aggccacctg gagtgacccc 360
cacaaggcca agactatgct gaaccgaatc ccacttggca agtttgctga ggtagagcac 420
gtggtgaacg gcacccctct tctgctgagt ga 452
```

<210> 2590

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)



1957

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

1958

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (528)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (550)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (557)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (563)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (606)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (627)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (647)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (669)  
<223> n equals a,t,g, or c

## 1959

<220>  
<221> misc feature  
<222> (670)  
<223> n equals a,t,g, or c

<400> 2590  
ggacaatgnt tttcttttaa atactcagag gacaggatca ctgtggantc gaatcagaag 60  
tgggtggctgg aattccacgc accgatcagt actgggaaaa gatctaattc gccgtgggcc 120  
tgtcgtgcca gtcctggggg cgagatcggg gtagaaatgc attttattct ttaagttcac 180  
gtaagataca agtttcaggc agggctctgaa ggactggatt ggccaaacat cagacctgtc 240  
ttccaaggag accaagtcct ggctacatcc cagcctgtgg ttacagtgcg gacaggccat 300  
gtgagccacc gctgncagca cagagcgtnc ttccccctgt agactggttg ccaactcctg 360  
gaacactgac tgtggccccc ttctgtgatcc atncatcttc agggagcnag acatatgacg 420  
caggaatgga aagcggagtt nctaacagga tgaaagtcc ccnatcantt cccccantnc 480  
cttcaagcaa gtanctttcc acatttgtca cannaaatta tangananat ggggtgttggg 540  
agcccttttn gagaacncca gtntttccag gccctgcac ttatcgagtt ttgcaatggg 600  
tacaancttt ttgatctgtg ttcacntga attcttttaa tataaanttt ctttttctct 660  
ctttatctnn tt 672

<210> 2591  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1960

<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)

## 1961

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<400> 2591

```
cncatatacnn agccccagca gcancgcccc aagcaacccc aataacaacg ccatggccgg 60
gtggaaacgc ctacatcgac aacctcangg cggacgggga cctgtnagaa cgcgccatcg 120
tggctacaag gactcgccnt ccgtctggcc gccntccccg gnaaacgtnc ntaaanttaa 180
cncaagctga agtgggtgtcc tggttggcaa aaaccggcaa gttttacttt aatggctgac 240
actttggggg ccagaaatgt tcggttnatc ccggaattaa ttgttncaag aatgggggaa 300
attnacntg gaattttttn tt                                     322
```

<210> 2592

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

1962

&lt;221&gt; misc feature

&lt;222&gt; (514)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2592

```
naaaaagggg tcactatgga gttcaaagga cagaactcct gcctgggtgac cgggacaacc 60
tgccattca gacccggggt ggcccagaaa agcatgaagt aactggctgg gtgctggtat 120
ctcctctaag taaggaagat gctggagaat atgagtgccca tgcaccaat tccaaggac 180
aggcttcagc atcagcaaaa attacagtgg ttgatgcctt acatgaaata ccagtgaaaa 240
aaggtgaagg tgccgagcta taaacctcca gaatattatt agtctgcatg gttaaaagta 300
gtcatggata actacattac ctgttcttgc ctaataagtt tcttttaatc caatccacta 360
acactttagt tatattcact ggtttttacac agagaaaatac aaaataaaaag atcacacatc 420
aagactatct acaaaaaattt tattatatat tttacngnaa gaaaaagcct tgcnttatca 480
ttaaaccaat taaaaatacc ttttttattn acancccc 518
```

&lt;210&gt; 2593

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (358)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (412)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (418)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (428)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (469)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (488)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 1963

<221> misc feature  
<222> (506)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (508)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (520)  
<223> n equals a,t,g, or c

<400> 2593  
accaaaactga gtgtgtgtgtgt gtgtgttttat tgggggtgtgg catgaggcga gtgtgtaaga 60  
cagagagcaa aagagctaca gaggccactc taagcagcag catcatgtga ccactaaaga 120  
tttacacctg aaactaaata cagaatgttc tatctctaca gattccaaag gttttcctaa 180  
aaatataacc aacaacaggg ggaaaaaaag ataccagat tccaaggacc tcacgatggg 240  
gctgaaaacc tatgacacca gcttcctgga ctttctccag aaggtgtttg gtatggggaa 300  
cctttctctt tcgcatggac cccgggacca ggccctccaa gcatggcttg ggattcctc 360  
agtcttcggg aacctccaag ccacagccca ggccccagac cctggaggga antcccantt 420  
cctttttnc cctcttgag acaagggaag ggacaaggtt tccagggtng tcattcactc 480  
ggagcagnaa aggcagatgg agattnancc aaagggattn ccaggggaaa ccaaag 536

<210> 2594  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<220>

## 1964

<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<400> 2594  
gggtgnatgg ggtatttcac cacgtggngc tggtacaca tttggacaag acatttctga 60  
aacctttaac catgccaatg gtctcacact ggtttctcgt gccaccagc ttgtaatgga 120  
gggatacaat tgggtgtcatg atcggaatgt ggttaccatt ttcagtgcac ccaattactg 180  
ttatcgttgt gggaaccagg ctgctatcat ggaattagat gacactttaa aatattcctt 240  
ccttcaattt gaccagcgc ctcgctcgtgg tgagcctcat gttacacggn gcacccaga 300  
ctacttccta taaatttctc ctgggaaacc tgcctttgna tgtggaagta tacctggntt 360  
tttaaaatat atgtatttaa aaacanan 388

<210> 2595  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)



## 1965

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 2595

```
ggggactcct gacatagcca gctgctgtga aataatggaa gagcttaciaa cctgccttaa 60
aaattaccga aaaaccttaa tacatagctg cttgtctcct actatacctg tctgacaciaa 120
tatcaccaga gcaagccata gacagcctgc gagacctaaag aggatccggg gcaatacaga 180
ccatcaagca atacaattat cttcatgagt ttcgggacaa attagctgca catctatcat 240
caagagattc acaatcaaga tctgtatcaa gataaaggaa ttcaaatagc atatatatga 300
ccatgtctga aatgncagtt ctctacataa tttggattga aatgaaacca ccagtgggat 360
caacttgaat gnaaatgtcc tgtgccnata ttcctaaggt ttattgcaa aaaaannn 418
```

<210> 2596

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

1966

&lt;400&gt; 2596

```
gggcgcccag cgcgggtccg agcagaactg gggctccctt gcatcttcca gttacaaatt 60
cagtgccttc tgcagtttcc ccagagctcc tcaagaataa cggaaggagg aatatgacag 120
atacctagca tctagcaaaa taatggcagc tgcttacctt gaccccaact tgaatcacac 180
accaaattcg agtactaaga ctcacctggg tactgggatg gaacgttctc ctgggtgcaat 240
gggagcagag attaaagggtc tttcattatt ttgaaagcaa tagtgagcca accacctggg 300
ccagtattat naggcattgga gatgctactg atgtcagggg catcattcag aagatagtgg 360
acagtcacaa antaaagcat tgtggngctgc tatggattcc cgcctcagtc cttgcnctc 420
agatngaagg ttcactggnt tcac                                     444
```

&lt;210&gt; 2597

&lt;211&gt; 362

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (153)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (320)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (348)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (358)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2597

```
ggagaagctt ccaggaatac atggcccaaa tggagaagaa gttggaggag gaaagggaaa 60
accttctcag agagcatgaa aggtgtctaa aacacaagct gaaggtaaca gaagaaatgc 120
ttaaggaaga atttcaaaaag aaatctgagc agntaaataa agagattaat caactgaaag 180
aaaaaattga aagcactaaa aatgaacaag ttaaggctct taaagatcct tgacatggct 240
agcaacataa tgactgtcac tctacctggg gctttcaagc tacttggagt agggacaaaa 300
```

## 1967

tgatcttggc tnacgtattn aagagcctna atattccagt taagaaantt ataatatnag 360  
gt 362

<210> 2598  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<400> 2598  
cccacgcgtc cgcttgggct tctttgaagg ctctgtgctg ttccccgagc ccctgacatg 60  
gatggataag ctggtggtgg agtacgcaa cgccatttgc caatgggagc gtaacaagtt 120  
gcagtgtctc gacacggagc aggtggaggc cgacctggag tgaggcctcc ggactctggc 180  
acgtccaac agccctcctc tggaaagetgc gtccccctcac cccctgtttc aggtctccca 240  
tctccctcag tgacctggat ctgacctcac accatcagca gggggcaccc accatgcaca 300  
cctgtctcgg antaagcaac tcttcctggg gntccaggc tatttttgtt gcttaattac 360  
tggttttctc cattgcattg ttaggcatgg tgacaantga cagaattctt gcctcttgtc 420  
cagtttcaac atctggttgc ttttaaccaa ntacatctag 460

<210> 2599  
<211> 371  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)

## 1968

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 2599

```
aattcggcag aggcagaaca aggagcatgt gattgaggcc ctgcgcaggc anagttcaag 60
tttcctggcc gccagaagat ccacatctca aagaagtggg gcttcaccaa gttcaatgct 120
gatgaatttg aagacatggt ggctgaaaag cggnctgcat cccagatggc tgtgggggtca 180
agtacatccc cagtcgtggg cctcttgga caagtggcgg gccctgcact ncatggaggg 240
ctttccaatg tgcttgcccc cctcttgaat acttcaccaa taaaattcta atttctgtt 300
ccaaaaaaaa aaaaaaaaaa aattccgggg gggggcccgt aaccatttg gccccttagg 360
nggttgttt t                                     371
```

<210> 2600

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

## 1969

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (406)  
<223> n equals a,t,g, or c

<400> 2600  
ggcagagtga attcantcag aactttatgt aagacctgat gacgtccatg taaacatccg 60  
gctagtggag ttgtatcgct caactaaaag attgaaggat gctgtggccc actgccatga 120  
ggcaagaagg aacatagctt tgcnttncaa gttagagtga gaattcgtgt gttgtacaga 180  
cccttaagtt ttgatagtgc tcttcagtct gcgaaatctt ctttgggtgg aaatgaatga 240  
actgtgcagc taactttctt agaaatgaaa aggacatttc tatatgttng cnggttctct 300  
ggtnccttgaa agntgggtcc agcatggtaa taatgttcca atggcgagct ctttctgagc 360  
tggngngcctt tngnctatnt catagcattt cagtaagtnt tcccantgta gggggg 415

<210> 2601  
<211> 251

## 1970

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<400> 2601

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caccgggggtt gactccgggg gcgcggcgag gagagacatg aggctgagct ggttccgggt 60
cctgacagta ctgtccatct gcctgagcgc cgtggccacg gccacggggg ccgagggcaa 120
aaggaagctg cagatcgggg tcaagaagcg ggtggaccac tgtcccatca aatcgcgcaa 180
aggggatgtc ctgcacatgc actacacggg gaagctggaa natgggacan agtttgacag 240
cagcctgccc c 251
```

<210> 2602

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

## 1971

<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 1972

<222> (219)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)



## 1973

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<400> 2602

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gggcagggat cccgtccgag ccccggtccc aagtaacgnc ggcggcccg agccgnccttg 60
gagggtcccc tncctactaa gtgcctcttt gcatagnacc agtccccacc cgnacgggtct 120
ctggaccact acagntgnac gggcaanggc gggtcgggga ggcgcanacg gncccnatgg 180
nccanctgnt gggnacaaaga tctgtcaatt taagctggnt ctncnngggg agtcttcgggt 240
aggcaaatcc agccttgtcc tccgcttttt caaggggncaa ttttacngnt accacgagag 300
cacaatttga gcgggctttc tnananagac ttttttcctt ggtgcaaaaa cagtcaaagt 360
tttaganttg gncaaaaatt ggcaaagagc ggtttanagc ttgcccccat gtatttttgg 420
gggcccagtt tcctctngct ttttaatacc acacagtnna ttttaagggc cagaatttgt 480
taagggttta anggaagcca cccacaatgt aattnaa 517
```

<210> 2603

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

1974

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (306)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

## 1975

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (393)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (452)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (482)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (483)  
<223> n equals a,t,g, or c

## 1976

<220>  
<221> misc feature  
<222> (492)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (498)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<400> 2603  
aattcggcan agnaggggaag cagcggctnn gcttcattnc atctgtggtg angtttaccc 60  
ttctaaagaa aaactaggga tttagaggac gtttgggcac tgaacgcaan tttctgcata 120  
ggaaacctag gngatccccc aaaagaggtc cctctggtag gccctcgaga tgctgctggc 180  
ggcctggggg aaatcctcat tgacgattca atttggtgaa ggccaatttg tggactccta 240  
cgatccaacc atagaaaaca cttttacaaa gttgatacaca gtcaaataga cangattatc 300  
atgttnaact tgtagacaca gccggggccaa gatgaatatt ctatcctttc cctcaggaca 360  
tactccatag atattaatgg gttatantnc tnntgtantc ctgnnacacc attcaaaaagg 420  
tttgnagggg tttaagttat ccctggggcaa tngtgggtat ngtggggggaa ggacaataac 480  
cnntttgttg gntgggggntn agnag 505

<210> 2604  
<211> 171  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

1977

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<400> 2604  
cccgnagaca cgggcaanaa ctnggggtcta cttgaagctg aactctgaga ccgacgcaga 60  
cacngaattgn gtattactgt gcgagacaca ccaaccagca ncacccganc tacaggatga 120  
aacgggtggat cgacccctgg ggccanggaea ccnnggtcac cgacnactca g 171

<210> 2605  
<211> 467  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>

## 1978

<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (467)  
<223> n equals a,t,g, or c

<400> 2605  
ggcgcggntg gaggtgtgag gatccgaacc caggggtgga ggcggctcct gcgatcgaag 60  
gggacttgag actcaccggc cgcacgccat gagggccctg tgggtgctgg gcctctgctg 120  
cgtcctgctg accttcgggt cggtcagagc tgacgatgaa gttgatgtgg atggtacagt 180  
agaagaggat ctgggtaaaa gtagagaagg atcaaggact tcctgctcac agcccgacga 240  
aaggatgcc aatctgtcaa gatcaagaaa aataaggaca acgtgaagtt taaagttcga 300  
tgcagcagat acctttacac cctggtcatn actgacaaaag agaaggcana gaaactgaag 360  
cagtccttgc cccccgggtt tgcccagtga aggaactgaa atgaaccaga caaactgat 420  
ttngaactgn cnttatatta aaatactaaa naccctaata tattcan 467

<210> 2606  
<211> 313  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

## 1979

<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)  
<223> n equals a,t,g, or c

<400> 2606  
ggcaggatca aggtgaaaag gagaacccca tgcgggaact tgcgatccgc aaactctgtn 60  
tcaacatctg tgttggggag agtgganaca gactgacgcg agcagccaag gtgtnggagc 120

## 1980

```
agctcacagg gcagaccnt gtgntttcca aagctagata cactgtcaga tcctttggca 180
tccggagaaa tgaaaagatt gctgtccact gcacagttct aggggccaag gcagaagaaa 240
tcttgagaaa nggtctaaag gtgcgggagt atganttaan aanaaacaac ttctcagatn 300
ctggaaactt tgg                                     313
```

<210> 2607

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>



1981

&lt;221&gt; misc feature

&lt;222&gt; (317)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2607

```
gcgccatctt ccagtaattc gccaaaaatga cgaacacaaa gggaaagagg agaggcacc 60
gatatatgtt ctctaggcct tttanaaaac atggagttgt tcctttggcc acatatatgc 120
gaatctataa gaaaggtgat attgtacaca tcaagggaat ggtactgtt cnaaaaggaa 180
tgccccacaa gtgttaccat ggcataactg gangagtcta cnatgttacc kannatgctg 240
ttggcattgt tgtaaacaaa caagttaang gcaagattct tgccaagaga attaatgtnc 300
gtattgagca cattaancac tcta                                     324
```

&lt;210&gt; 2608

&lt;211&gt; 625

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (524)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (552)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (563)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (567)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (577)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (604)

&lt;223&gt; n equals a,t,g, or c

## 1982

&lt;400&gt; 2608

```
ncgccgaaag cgaagaagga agctcctgcc cctcctaaag ctgaagccaa agcgaaggct 60
ttaaaggcca agaaggcagt gttgaaaggt gtccacagcc acaaaaagaa gaagatccgc 120
acgtcaccca ccttcggcg gccgaagaca ctgcgactcc ggagacagcc caaatatcct 180
cggaagagcg ctcccaggag aaacaagctt gaccactatg ctatcatcaa gtttcgctg 240
accactgagt ctgccatgaa gaagatagaa gacaacaaca cacttgtgtt cattgtggat 300
gttaaagcca acaagcacca gattaaacag gctgtgaaga agctgtatga cattgatgtg 360
gccaaggcca acaccctgat tcggcctgat ggagagaaga aggcataatgt tcgactggct 420
cctgattacg atgctttgga tgttgccaac aaaattggga tcatctaaac tgagtccagc 480
tgcctaattc tgaatatata tatatatata tcttttcacc atanaaaaaa aaaaaaaaaa 540
agggccggcc gntctagagg atncaanctt acgtacnctg tgcagccga cgtcttagct 600
cttntatagt ggtcacccta aaatt                                     625
```

&lt;210&gt; 2609

&lt;211&gt; 151

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (90)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (126)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (146)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2609

```
ggccccgggtg gttgctgccg aaatgggcaa gttcatgaaa cctgggaang tggtgcttgt 60
```

## 1983

cctggctggg acgctactcc ggacgcaaan ctgtcatcgt gaagaanatn gatgatggca 120  
 cctcanatcg cccctacagc catgcnctgg t 151

<210> 2610  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (13)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (29)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (408)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (413)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (419)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (420)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (427)  
 <223> n equals a,t,g, or c

<400> 2610  
 aatgattacg ccntttctaa tacgactcnc tatagggaaa gctgggtacgc ctgcagggtac 60  
 cgggtccggaa ttcccgggtc gacccacgcg tccgggtcgcc gctgcgggagg gagccgcccgc 120  
 catgtctgcg catctgcaat ggatgggtcgt gcggaactgc tccagtttcc tgatcaagag 180  
 gaataagcag acctacagca ctgagcccaa taacttgaag gcccgcgaatt ccttccgcta 240  
 caacggactg attcaccgca agactgtggg ctggagccgg cagccgacgc aaagttcttg 300  
 tgggtcatta acggaatccg gcacggaacc tgccactcct atgtgcgaca catcaacaga 360  
 tgtecgcccc tcacactcaa cctatcccaa acatacccca ctgcctgnac acnaggcann 420

1984

ctctccncaa c

431

&lt;210&gt; 2611

&lt;211&gt; 142

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (30)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (75)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (119)

&lt;223&gt; n equals a,t,g, or c

## 1985

<220>  
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<222> (138)  
<223> n equals a,t,g, or c

<400> 2611  
ggcagcgagcg caaagaaggg tngcgagann aanaaaggcn gttctnccat caacgaatga 60  
taacccgaga atacnccatc aacattcaca atcgcatcca tngagtgggc ttcaagaanc 120  
gtgcacctcg ggcactcnaa ga 142

<210> 2612  
<211> 518  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<400> 2612  
ananagacac naaccctcac taaagggaac aaaagctgga gctccaccgc ggtggcggcc 60  
gctctagaac tagtggtatcc cccgggctgc aggaattcgg cagcagggtg tctgcaggca 120  
ctcagaatgg tccagcggtt gacataccga cgtaggcttt cctacaatac agcctctaac 180  
aaaactaggc tgtcccgaac ccttggtaat agaattgttt acctttatac caagaagggt 240  
gggaaagcac caaaatctgc atgtggtgtg tgcccaggca gaattcgagg gggtcgtgct 300  
gtaagacctt aagttcttat gagattgtcc aaaacaaaga aacatgtcag cagggcctat 360  
ggtggttcca tgtgtgctaa atgtgttcgt gacaggatca agcgtgcttt ccttatcgag 420  
gagcagaaaa tcgttgtgaa agtggtgaag gcacaagcac agagtcagaa agctaaataa 480  
aaaaatgaaa cttttttgag taataaaaaat gaaaagac 518

<210> 2613  
<211> 269  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

1986

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<400> 2613  
gctgcactgc caccctgggc nacttcgcca aggccacctt tgatgccatt tctaagacct 60  
acagctacct gacccccgac ctctggaagg agactgtntt caccaagtct cctatcagg 120  
agttcactga ccacctcgtc nagaccaca ccagagtctc cgtgcagcgg actcaggctc 180  
cagctgtggc tacaacatag ggTTTTtata cangaaaaat aaantgaatt aagcgtgtta 240  
aaanaaaaaa aaaaaaacnc gaaaccaan 269

<210> 2614  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)

## 1987

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 2614

```

gggtcnntgc ctccaagatg acaaagaaaa gaaggaacaa tggtcgtgcc aaaaagggcc 60
gcgggccacgt gcagcctatt cgctgcacta actgtgcccg atgcgtgccc aaggacaagg 120
ccattaagaa attcgtcatt cgaaacatag tggaggccgc agcagtcagg gacatttctg 180
aagcgagcgt cttcgatgcc tatgtgcttc ccaagctgta tgtnaagcta cattactgtg 240
tgagttgtgc aattcacagc aaagtagtca ggaatcgatc tcgtgaagcc cgcaaggacc 300
gaacaccccc accccgattt agacctgcgg gtgctgcccc acgtccccc ccaaagccca 360
tgtaangagc tgagttctta aagactgaag acangctatt ctctggagaa aaataaaatg 420
gaaattgtac ttaanaaaaa aaaaaaangg n 451

```

<210> 2615

<211> 293

<212> DNA

<213> Homo sapiens

1988

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c



## 1989

&lt;400&gt; 2615

```
ggtcaccatc agctgtntctg gaaccacccg cganaatacg gccatggtn c gntcttgt 60
cgtgtctgtt caaacccgga cggctctgatc cggaaatatg gcctcaatat gtgccgccag 120
tgtttccgtc agtacgcgaa ggatatcggg ttcattaagt tggactanat gctcttcctt 180
cataggatta tccggggcat ctactcaatg aaaaacccatg ataattcttt gtatataaaa 240
taaacatttg aaataancctt cnaattgtca aaaaaaaaaa atatgncctc tnn 293
```

&lt;210&gt; 2616

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (188)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (300)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (302)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2616

```
gggcctcgga ggcgttcagc tgcttcaaga tgaagctgaa catctccttc ccagccactg 60
gctgccagaa actcattgaa gtggacgatg aacgcaaact tcgtactttc tatgagaagc 120
gtatggccac agaagttgct gctgacgctc tgggtgaaga atggaagggt tatgtgggtc 180
```

## 1990

gaatcagngg tgggaacgac aaacaaggnt tccccatgaa gcaggggtgc ttgacccatg 240  
gccgtgtccg ctgctactga gtaaggggca tttcctgtta caagaccaat ggagaactgn 300  
anaaagaatt gananaatca gttcgtggtt gcattgtn 338

<210> 2617

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 1991

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (399)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (421)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2617

```
aattcggcag aggtcataga acccagaagg aaattgagca ggaagctgca gttgaattat 60
cacagttgag ggaccacacag catgatctag atcgagtaaa gaaacctgaa tgggttatcc 120
tgatagggtgt ttgcactnca tcttgggctg tgtaccatt ggcaaatgca gggaggattt 180
tgggtggttat tactgccctt gccatgggtc acacttatga tgcactctggg caggatccag 240
attgggtcct gctcctcttc aaccttgaag tccccacgg tattgagttt caccagtgc 300
ggntattggg ggatttggtt ggttnaagag actttinggac ttcaagncca taagggnntt 360
tttttcagtc ctttanggtt caaccccgag ggggcttttn ttttggggga gggaggcctt 420
nt 422
```

&lt;210&gt; 2618

&lt;211&gt; 493

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (384)

## 1992

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

## 1993

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (486)  
<223> n equals a,t,g, or c

<400> 2618  
aattcggcag agnatcagaa gtgaatnatg ctgggggataa cgatgagagt caccgcaatt 60  
tcatccagga cgaatgctgc gtttgattca tgagtgtcct catcaggaag ggaagagcat 120  
ccatgaagct ccgggctcag ctctgcgagc cttagcgtca aggccatcaa ggaagcgatt 180  
gattatctga ccgttgaggg ccacatctat cccactgtgg atcgggagca ttttaagtct 240  
gctgattgag gcagggaaaa catcctttca tttttcgaag acccttgcat ccagctgtgg 300  
agtaattttg nacctgtttg acttttttagg aagtaggatt aaaaaaaaaa ttttcaagtg 360  
ggcattcttt tgtcaactcg ttgntttttt aaanggtttt gaacttttng gntttcngna 420  
tttgaggtcc agggganncg gtnntgggta aatttgncaa nccttgggggt ttttctggca 480  
gttatnggaa aat 493

<210> 2619  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

1994

<220>  
 <221> misc feature  
 <222> (429)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (437)  
 <223> n equals a,t,g, or c

<400> 2619  
 ggatataagc ttgaccacga gttgagaccc tgagcacagg cctccaggag ccgctgggag 60  
 ctgccgccag gagctgtcac catgacgggg gaacttgagg ttaagaacat ggacatgaag 120  
 ccgggggtcaa ccctgaagat cacaggcagn atcgccgatg gcaactgatg ctttgtaatt 180  
 aatctggggc aggggacaga caagctgaac ctgcatttca accctcgctt cagcgaatcc 240  
 accattgtct gcaactcatt ggacggcagc aactgggggc aagaacaacg ggaagatcac 300  
 ctgtgcttca gcccgaaggtc agaggtcaag ttcacagtga ctttttgaga agtgacaaat 360  
 tcaaaggtga aacctgccaa aatgggcacg aactggnttt ttcccaacaa ggcttggggg 420  
 cacaanncna ccttaanct 439

<210> 2620  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (284)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<400> 2620  
 tgaatctagc accatgacgg aactagagac agttcatggg catgatcata gacgtctttt 60  
 cccgatattc gggcagcggg ggcagcacgc agaccctgac caaggggggag ctcaaggtgc 120  
 tgatggagaa ggagctacca ggcttcctgc agagtggaaa agacaaggat gccgtggata 180  
 aattgctcaa ggacctggac gccaatggag atgccagggt ggacttcagt gagttcatcg 240  
 tgttcgtggc tgcaatcacg tctgcctgtc acaagtactt tganaaggca ggactcaaat 300  
 gatgccctgg agatgtcaca gattcctggg 330

<210> 2621  
 <211> 508  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

1995

<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)

1996

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

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<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c



1997

<220>  
<221> misc feature  
<222> (433)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (492)  
<223> n equals a,t,g, or c

<400> 2621  
ggcacgagtg gnaatttttaa gggaatgaaa attaaacctg gctcaatggg naaaccttct 60  
cctgctttcg atgttaagnt tgtagatgta aatggcaatg ttctacctcc tggacaagaa 120  
ggtgatattg gcattcaagt tctacccaac cgaccatttg gcctttttac tcattacgtg 180  
gataatcctt caaaaacagc ttcaactcta cgaggcaatt ctatatcact ggggacagag 240  
gatatatgga taaagatggg tatctctngt ttntttgcaa gngcagatgt tggcanatat 300  
nccctgggtt tcgatttggc ccctttgggt ggnaaatccc ccattnnac cccttanttt 360  
agagtnccct ttttcaaang ccnaccctt tcaagggggg nggtnaaagt tttnggnttt 420  
aaaaccntt tcnangncca nttcagggcc ccttttaagg ggttcggggg cttttaaaaa 480  
ctccgggcct tnaatttccc cagggggg 508

<210> 2622  
<211> 361  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

1998

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
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<222> (250)  
<223> n equals a,t,g, or c

<220>  
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<222> (255)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
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<222> (294)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

1999

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2622

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ggttaaattt naggttagcag agggaaaaca agnggaaatc caacataagg gacaggctga 60
gaaaaaagaa ttacaacata aaatagatga aatggaagaa aaagaacagg agctncaggc 120
aaaaatagaa gctttgcaag ctgataatga tttcaccaat gaaaggctaa cagctttaca 180
agagaagctg accgtcgaan ggcatntaac caaagcggta gaagaaacaa agctttcaaa 240
agaaaatcan acaanancaa aagaatctga tttttcagat actctgagnc caancaagga 300
aaataanaaaa nnaagggcggtg tcgctctata ggatccaagg cttacgtact cgtgcatgcg 360
a                                                                 361
```

&lt;210&gt; 2623

&lt;211&gt; 407

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (80)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2000

<222> (104)  
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<220>  
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 <222> (137)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (236)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (290)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (334)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (339)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (359)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (366)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (383)  
 <223> n equals a,t,g, or c

<400> 2623  
 aatatttcca nagntgggtcc gcctgcaggt accgggtccgg aattccccggg tcgattncac 60  
 gcgtntttgga aatgaccccn cagcagggag acgtctacat ntgncaagtg gagcacacca 120  
 gcctggacag tcctgtnacc gtggagtgga aggcacagtc tgattctgcc cggagtaaga 180  
 cattgacggg agctggggggc ttcgtgctgg ggctcatcat ctgtggagtg ggcatnttca 240  
 tgcacaggag gaacaagaaa gttcaacgag gatctgcata aacaggggtn ctgacctacc 300  
 gaaaagacta atgtgcctta gaacaagcat ttgntgggnt ttggtaacac ctgggttcang 360  
 acagancctt agcttttccc aanaggatac tggttgcaaa aaagttt 407

## 2001

<210> 2624  
<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

## 2002

<220>  
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<222> (258)  
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<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<400> 2624  
naattcggca naggaaccgg ggctgctgct ttgactccag gatccctgggt ngnccttggt 60  
gtttcaagcc cctgcaggaa gcagaatgca ctttttgagg cacctncagc tgcccccggc 120  
cgggnaagtg cgaaggctcg gagcaccctt gcccggtgt gaattgctgc caggactgt 180  
tgcactnca gcttttctgt gccctttgct cccggcaagc ggttctgctt gaaagtttca 240  
tnatcttggg aggcctgnat ggtncctttaa cggaattaaa ggttcccccc attgcttcca 300  
aan 303

<210> 2625  
<211> 165  
<212> DNA  
<213> Homo sapiens

<400> 2625  
ggcacagcca cccagggcct gagtcctgtc cacacccag gtgacggccg gctccacaag 60  
gcagtgagcg tgggcccccg ggtgcacatc attgaggagc tgcagatctt ctcacggga 120  
cagcccgtgg cagaatctgc tcctgggaca cccacagggg ggctg 165

<210> 2626  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)

## 2003

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 2626

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gtggatacca accggaaaac ccctatcccc cacagcccac tgtgggtcccc actgtctacg 60
angtgcattc ggctcagtag taccgcgtccc ccgtgccccca gtacnccccg aggggtcctga 120
cgcaagcttc caaccccgtc gtctgcacgc aagccaaatc cccatccggg acagtgtgca 180
cctcaaagac taagaaagca ctgtgcatca ccttgacctg gggacttctt cctgggaact 240
gcgctggccg ctggcctact ctggaaattc atgggcagca aatgctccaa ctctgggata 300
gaatgcgaat cctcaagttc tgcattcaacc ctctactggg tggtatagcg tntcaactgc 360
ccnnggggga agaaaaaaat cngtgttcct nttttcaaac ttctcc 406
```

<210> 2627

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

2004

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>



## 2005

<221> misc feature  
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<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<400> 2627  
gacctcagcn ttcgctacnc gggacccccca cagaagagac gtggcccggc gtgacccgca 60  
tctctgagnn ccgcacctac agcttccccct gctacctncc gcagcccgt catcaaccac 120  
gccgcccagg cnggatacgg atggcatcca cctcctgagc agccngcncc tgnatgaatc 180  
caagagtgc atgcagcaga agctgccctg agtcaactn n acntccggnc tcngggaaga 240  
gccgtgngca ccaaccttga aaacactggc gacaacgtct cctgaaggg gaaaccactc 300  
cagaagggac ccangctacc caggggntgg ncna 334

<210> 2628  
<211> 568  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

2006

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (444)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (455)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (508)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (524)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (555)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (557)  
<223> n equals a,t,g, or c

## 2007

<400> 2628  
gcacgggaat gtgcccctgc actatgcctg tttttggggc caagatcaag tggcagagga 60  
cctgggtggca aatgggggcc ttgtcagcat ctgtaacaag tatggagaga tgcctgtgga 120  
caaagccaag gcaccctga gagagcttct ccgagagcgg gcagagaaga tgggccagaa 180  
tctcaaccgt attccataca aggacacatt ctggaagggg accaccgcga ctcggtcccg 240  
tgagtcacca ctgtgggaag aagggttgta aaaggaaata atcctggcct cttggggctg 300  
ggttaggggtg aagctgggta cctgacctgc cacactctta ngaaatggaa ccctgaacaa 360  
acactctggc attgacttca aacaagctta acttntctgac gaagctnaac gaagaatact 420  
cttggaang tgaccctgc cttnttgccc tcctnanta ccccataaa tacttgcttt 480  
gtacctgttt taagttttct tcaattantg ggcaaggaag tgggnanaaca ttttaagcttc 540  
taccctactg tctgnanttt ggaaggcc 568

<210> 2629

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

2008

<220>  
 <221> misc feature  
 <222> (63)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (82)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (105)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (119)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (123)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (187)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (334)  
 <223> n equals a,t,g, or c

<400> 2629  
 tgcagcnaga caatcggaga gaaantgnng caaaaagagc cantgggana tgatnagtct 60  
 gtnccagaga atgtgctgag tntcgatgac cttactgcag acgcnttagc taacctganc 120  
 aanccacaaa tcaaaaaagt ccgactcctc attgatgaag ccatacctgaa gtgtgacgcg 180  
 gagggantaa agttggaagc agagcggttt gagaacctcc gagagattgg gaaccttctg 240  
 cacccttctg taccatcag taacgatgag gtaggtggct gtgccgcagc aggaggctgc 300  
 cttaggtcgc tgctgtctct gcaggggcgg ggang 335

<210> 2630  
 <211> 117  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

2009

<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 2630  
gtgcgtggca ggtgangatg aacagtctac acagatggct gcaaggnggg aagatgataa 60  
agttacagaa gcatcttcna acaggnntgc tgctattaaa atcnatacca aaagtga 117

<210> 2631  
<211> 488  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (460)  
<223> n equals a,t,g, or c

2010

<220>  
<221> misc feature  
<222> (474)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (482)  
<223> n equals a,t,g, or c

<400> 2631  
gcctgcaggt nccgggtccgg aattccccggg tcgaccacag cgtccgaaga agtcctgcaa 60  
agacaatcgc accacagaat gctccaagag atgagttctag gggccgttcc tcgttttatc 120  
ctgatggttg agatcaggaa actgcaaaga ctgggaagtt cttaaaaagg ttcacagatg 180  
aagagtctag agtattcctg cttgataggg gtaataccag ggataaagag gcttcaaaag 240  
agaaaggatc agagaaaggg agggcagagg gagaatggga agatcaggaa gctctagatt 300  
acttcagtga taaagagtct ggaaaacaaa agtttaatga ttcagaaggg gatgacacag 360  
aggagacaga ggattataga cagttcagga agtcaagtcc tcgcagatca gggtaaaagt 420  
tttgctactg catctcaccg ggaatncctg aaggaggaan ggactcaagt accnngttcc 480  
anaggttt 488

<210> 2632  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

2011

<220>  
<221> misc feature  
<222> (100)  
<223> n equals a,t,g, or c

<400> 2632  
gaccggtatc aggtgtgccca aggcgaantn aaagaattgc aggcaaaaga gtttgcanaa 60  
tggaatcagg anaagcaggc tgcttttctc ctaaaatcan cca 103

<210> 2633  
<211> 686  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (613)  
<223> n equals a,t,g, or c

<220>

## 2012

<221> misc feature

<222> (615)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (645)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (651)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<400> 2633

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nttactanat nttcctgcag gtatttgggc caagaatncc cgggtcgacc cacgcgtccg 60
atggcgaggat acgacttgac tactcntatc gcgcactttt tggatcgcca tctagtcttt 120
ccgcttctctg aatttctctc tgtaaaggag atatataatg aaaaggaatt attacaaggt 180
aaattggacc ttcttagtga taccaacatg gtagactttg ctatggatgt atacaaaaac 240
ctttattctg atgatattcc tcatgctttg agagagaaaa gaaccacagt ggttgacaaa 300
ctgaaacaag cttcaggcag naaccagaac caattgtgaa gatgtttgaa gatccagaaa 360
ctacaaggca aatgcagtc accagggatg gtaggatgct ctttgactac ctggcggaca 420
agcatggttt taggcaggaa tatntagata cactctacag atatgcaaaa ttccagtacg 480
aatgtgggaa ttactcagga gcaagcagaa tatctttatt tttttagagt gctgggtcca 540
gcaacagata gaaatgcttt aagtcactct ggggaagctg gcctctgaaa tcttaatgca 600
gaattgggga tgnancatgg aagaccttac acggttaaaa gagancatag ntaataattc 660
tgngggtctc catttagctc ttagca 686
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<210> 2634

<211> 354

<212> DNA

<213> Homo sapiens

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<222> (328)

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<220>

<221> misc feature

<222> (334)



## 2013

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<220>

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<220>

<221> misc feature

<222> (348)

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<400> 2634

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tcgggggcca gatggggctg ttcatcgggg ccagcatcct cacgggtgctg gagctctttg 120
actacgccta cgaggtcatt aagcacaagc tgtgccgacg aggaaaatgc cagaaggagg 180
ccaaaaggag cagtgcggac aagggcgtgg ccctcacctg gacgacgtca aaagacacaa 240
cccgttgcca gaaccttcgg ggccaccctg ccgggatgac atacgcttgg caacattcta 300
ccttanccat tcggggccgaa ggacttcnaa gacntttact tgnttgance cccg      354
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<210> 2635

<211> 620

<212> DNA

<213> Homo sapiens

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<222> (55)

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<222> (93)

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<220>

2014

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<220>  
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## 2015

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## 2016

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<222> (613)

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<221> misc feature

<222> (620)

<223> n equals a,t,g, or c

<400> 2635

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anaatagaga tcangttgaa ttttgtatga atntcctatt tatnaacact tttattaata 120
ctacaatggg gctgctgtga ttgancacga gcgagttcag aagacctttc ctcacccaat 180
tgataaatgg gccatngctg atgcacaatc tgctatagaa aaacaaaaac gaagaaatcc 240
tcttttactg cctgtggacn aaatccatcc ttcgtnnaan gaattattag ggtacaaaat 300
gagactacca tgtatcccta tatnttgtgg ntgtactaca ntatatctca gcctgatatt 360
ttaaaatngg ctggtcntct tgtttttaat atccggcatt ntgaaatatt tcanacanga 420
ctttaaattg tctattttgt tgcggatcan gttaattgta caaggatttt naattttact 480
tgaatagcac natctaattt ctgcctcaat ctttatgttt taattattaa atanattatc 540
tnttatgatt tgctncttac tggaaacaaa aaaaaaatcc tggctttact tcattaacca 600
tgaatatttc ccngtttttn                                     620
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<210> 2636

<211> 153

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (20)

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<220>

<221> misc feature

<222> (30)

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<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

## 2017

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<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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gacatcctct ggatcctctg ttgggttct ttgctgctgt ngctggacag gatgggccta 120  
ttgatgctga tgaatttctn anatgtcnga cct 153

<210> 2637  
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<212> DNA  
<213> Homo sapiens

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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## 2018

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<220>  
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<220>  
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<220>  
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<220>  
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 <222> (351)  
 <223> n equals a,t,g, or c

<220>  
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 cgatgctgcc tctgctgcgc tgcgtgcccc gtgtgctggg ctctctccgtc gccggcctcc 120  
 gcgctgccgc gcccgctcg cctttccggc agctcctgca gccggcaccc cggctgtgca 180  
 cccggccctt cgggctgctc agcgtgcgcg caggttccga gcgngggccg ggcctccngc 240  
 ggnctgcgg accctgcgcc ngtggctgtg gctgcggctc gctgnacacc ganggagaca 300  
 aagcttttgt tgattacctg agtgatgaaa ttaangagga aagaaaaatt nagaagcata 360  
 aaacccttcc naagatg 377

<210> 2638  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

2019

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (474)  
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agctgattat tcagaaattt tagatttagt ggaaaggaaa aaagatatat ttaatcctaa 120  
aaaaggaact tatcaagaaa aacttgggag aatattagtt ttggctgatt ctgctcactc 180  
atttggtagt agctacaaag gaaagaaaat aggaagtgtg gcagatgtaa cttcattttc 240  
atttcatgca ataaaaaatt taacaacagc agaaggtgga gctttaacat ggaatcttcc 300  
taataatttt gataatgagc aaatttataa agagttgatg ttgntagctt tacatggcaa 360  
aataaggatg cactagcaaa gctaaaagca ggtgcttgga aatatgatat tgnatgcca 420  
ggatacaaat gnnatatgac ngatattatg gcggctattg ggттаатсса сttnaagat 479

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## 2020

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<220>  
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<222> (374)  
<223> n equals a,t,g, or c

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<220>  
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gatctggaga cactaataat tttccttatac tggaaaagac agccaaaaaa gtgtaccagc 120  
gcatacccgcc tccagcctga ggacgtcaac ctgcgggtca tctcggaata tcagaagctc 180  
tttcctgaca ttcccatagg gtattctggg catgaaacag gcatagcgat atctgtggcc 240  
gcagtggctc tggggggccaa ggtggttgaa cgtcacataa ctttgggncaa gacctggaan 300  
gggagtgacc actcggactc gctggagcct ggagaactgg gcgaagctgg tgcggtcagt 360  
gcgtcttgtn ggancgtgcc ctgggctccc caagcaaagc anctnacngc 410

<210> 2640  
<211> 164  
<212> DNA  
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<220>  
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## 2021

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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acttttggcc aggggaccaa cctggagatc aaacgaactg tggctgcacc atctgtcttc 120  
atcttcccgc catctgataa aacaattnaa atnntgaant tnct 164

<210> 2641  
<211> 450  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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<222> (328)

2022

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (359)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (407)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (425)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (444)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2641

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ggtcgcggcg gggaccatgt tgcttccgaa catcctgctc accggtacac caggggttgg 60
aaaaaccaca ctaggcaaag aacttgctgc aaaatcagga ctgaaataca ttaatgtggg 120
tgatttagct cgagaagtct gatcatcgga tatcatggag tctggcaaga cggcttctcc 180
caagagcatg ccgaaagatg cacagatnat ggcacaaatc ctgaaggata tggggattac 240
agaatatgag ccaagagtta taaatcagat nttggagttt gccttccgat atgtgaccac 300
aattctngat gatgcaaaaa tttattcnag ccatgctaaa aaaacttctg ttgatgcana 360
ttatgtgcga tggcatccan tgccgcctga tcatctttta ctctcncccc caaaaatttt 420
tttanatttg caggcaaaat caanccttgc                                450
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&lt;210&gt; 2642

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (173)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (185)

&lt;223&gt; n equals a,t,g, or c

2023

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2024

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<220>  
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<222> (324)  
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<220>  
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<222> (329)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>

## 2025

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gccgggtccac ctcacagcct tcctgggata caaggctggc atgactcaca tcntgcggga 180  
attcnacang gccggatcca aggtgaacaa aagagtgtt tgaagcnttt tacatttttn 240  
aaaaaccng ngnttttttg cttttgncct tnaaaacccc naggcccgaa ccttcaaaat 300  
ttttntttta ccccttnnaa tcanaaggnt ttttttnaaa tggttntttn aaaaaagctt 360  
ccnttttcca aatggggaga agangggnaa cccggaagaa tccccccaaa atttcctttc 420  
cttttttccc ccaaaccctt cnttccaaaa aacctttnaa catttaaagc tttcnaaana 480  
aggcccaaan aanattctta catttttggg aaaaaaatcc gttaaggagg gaagttcctt 540  
ttgccaaaac 550

<210> 2643  
<211> 355  
<212> DNA  
<213> Homo sapiens

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## 2026

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<220>  
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<222> (339)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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ctgcaggtac cgggtccggaa ttcccgggtc gacccacgcg tccgtggaca gctgatgaag 120  
gggtcttcga caattttgtt ctcaaaatca gagataccaa aaagcagtct gagccactgg 180  
aaataaccct acttgcccc gaacgtacca gggacataac aggtctcaga gaggctactg 240  
aatacgaaat tgaactctat ggaataagca aaggaaggcg atcccagaca gtctgttctc 300

## 2027

tcctgtttat ttacagtatc tgttggtgnt atagnactna ctgnttttnt atttt 355

<210> 2644

<211> 397

<212> DNA

<213> Homo sapiens

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## 2028

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<222> (354)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c



## 2029

&lt;400&gt; 2644

```

atagntntct ggactcntta taggganagc tggtagcgct gcaggtaccg gtccggaatt 60
cccggttcga nccacgcgtc cgcggacgcg tggggccagc ctggggccggc accctggggc 120
tcaccaaggc aacctggcct tcggtcttca tagcaatgna atagccagcc ctggaagccc 180
cagcctgggn cgtcacctng gagggactgg atctgnnggtt cccggcagnc cctgcttgga 240
ccggcatgtg gcctatggag gctatnctac ccnggaggat cggagaccca cactgtcnng 300
gaagagcant gcctatggct accaggctcc ttcnacgcca tccttgctg tctnccctgc 360
ctactaccct ggactgagna gccctgacac ctacnag 397

```

&lt;210&gt; 2645

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (199)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (232)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (243)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2645

```

ggtggaggcc acatgcgcct gcctgcttgc tcaggagaaa gagggccgaga aagaacactg 60
ctccaagtgc ctggcagagc agatgatcct ggaggaattt ggaagggtgct tatcacagat 120
tctccacact gagtttaaat ctaagggtatt gaaaatggag tagagtataa agtgtgaatg 180
catgttgatt ttgtcttant ctanaaatct ctantttaga aaggatgttt angggaacat 240
gangctggct 250

```

&lt;210&gt; 2646

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

## 2030

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2646

```
atcgtgactg ttggtggaga agagagagtt tcacggaaac ccacagcagc gatgcgatgc 60
atgtgccctc tctatgaccc taacaggcag ctttggntcg aactggcccc ttttaagcatg 120
ccgagaatta accatggagt tctctcagca gaaggatttt tgtttgtatt cggggggccaa 180
gatgaaaata agcagactct tagctcagga gaaaagtatg atccagatgc aaatacatgg 240
acagcattgc cacctatgaa cgaggcaaga cataacttcg gaattgtgga gatagatggg 300
atgctgtaca ttttgggagg agaggatggt gaaaaggagc tgatttccat ggagtgttac 360
g 361
```

&lt;210&gt; 2647

&lt;211&gt; 260

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (18)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2031

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (56)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (241)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2647

```
gcaagcnncg ccnccannca tcactaaaag ggancaaaaag cnttgagctc caccgnggtg 60
cgggcccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agggatatcg 120
acgtcgtgat ccagaagtcc agagctgagg actgcctggt tgcagccaag ttctatagaa 180
attttagagt attcatcaga tagtgaaaaa gaagatgatt tggaaaatgt cctactcatt 240
nattcagaac cccctcacia                                     260
```

&lt;210&gt; 2648

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (347)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (388)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (409)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (411)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2648

## 2032

```
gccccacgcgt ccgggtcccg ggcgctagccc acctccgacc cgcctcttgg ctccctctcct 60
ctaggccgctc gcttttcgggt tctctcatcg cttcgtcggt cgccaatgtt tgaggagaag 120
gccagcagtc cttcagggaa gatgggagggc gaggagaagc cgattggtgc tggatgaagag 180
aagcaaaagg aaggaggcaa aaagaagaac aaagaaggat ctggagatgg aggtcgagct 240
gagttgaatc cttggcctga atatatttac acacgtcttg agatgtataa tataactaaaa 300
gcagaacatg attccattct ggcagaaaaa aaaaaaaaaa gggcggncgc tctagaggat 360
ccaaagctta cgtacgcgtn catgcgangt cataagtttt tctattagn ncacctaaaa 420
t 421
```

<210> 2649

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (587)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2033

&lt;222&gt; (681)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (706)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (740)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (750)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (783)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2649

```

attaanggaa atcncggtac gcctttaggt accgggtcng aattcccggg tcgacccacg 60
cgtccggatt ccctcccgaa cagttaaccg gaagagtaca gacagcccg tagagtgtat 120
gggccaggag aaaggggaat tcagagaaat attctacatc attggagctg tggatattgt 180
gggtcatcatc cttgtcatca tcctggctat atctctacac aagtgtagaa aggcaggagt 240
ggggcagagc tggaaggaga actccccact gaatgtttca taaaggaagc actgttggag 300
ctactgcaaa tgctatattg cactgtgacc gagaactttt aagaggatag aatacatgga 360
aacgcaaattg agtatttcgg agcatgaaga ccctggagtt caaaaaactc ttgatattgac 420
ctgttattac cattagcatt ctggttttga catcagcatt agtcactttg aaatgtaaca 480
aatgggtacta caaccaattc caaggtttaa tttttaacac catggcacct tttgcacata 540
acatgcttta agattatata ttccgnactc aaggggagtaa ccaggtngtc caagcaaaaa 600
ccaatgggaa aatggcttaa aaaatctggg tgggactttt gaaaagcttt tttttttttt 660
ttttttgana cgggagcntg nttttgttgg ccaagctgga aggcantaag caccgatctt 720
gggttaattg gaccttcggn ttttgggttn aagcaaattg ctggcctaaa ccttccgagt 780
agntggga

```

&lt;210&gt; 2650

&lt;211&gt; 378

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2034

<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (313)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<400> 2650  
ggtganaagc gaatatccct ctataaaact ggtggtggag tggcaacttc aggatgacaa 60  
aaaccaaagt ctcttctgct gggaaatccc agtacagatc gtttctcatc tctaagtgcc 120  
tcattgagtt cgggtgcatct ggccaatgan tctgctgaga ctcttgacag cacctccagc 180  
tctgctgctt caacaacagt gacttgctct ccaatggtat ccagtgattc gttgaanagg 240  
agggtgctctg tagcagaaac tgagctncgg gtggctgntt ctcaatggnt gctcatgtct 300  
cttttctgct tangtggttc attaaatgca ccacttggtg gcaatgttaa tnttttttta 360  
acacnttact tgggggntc 378

## 2035

<210> 2651  
<211> 241  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<400> 2651  
gcctcaagca gcgggcgggtcc cttagtgaca gtgtctacac ccctccacca agtgtcccc 60  
acgggccttg agcccagcca cagcctgctg agtacagaag ccaagctggt ctcagcagct 120  
ggggggcccc tccccctgtc agcaccctga cagcactgca cagnttggag canacatccc 180  
caggcctcaa ccagcagccc cagaacctna tcatggcctn acttnctggg gtcatgacca 240  
t 241

<210> 2652  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<400> 2652  
gacctgtcaa aacatatcaa gaccaccag aataagaagg gagggccagg tgtagctctg 60  
agtgtgggca ctttgccctt ggacagtggg gcaggttcag aaggcagtgg cactgccact 120

## 2036

```
ccttcagccc ttattaccac caatatggta gccatggagg ccattctgtcc agaggggcatt 180
gcccgtcttg ccaacagtgg catcaacgtc atgcaggtgg cagatctgca gtccattaat 240
atcagtggca atggcttctg agatcaggca cccggggcca gagacatatg ggccataccc 300
cttaaccccg ggatgcaagg tagcatgggt ccaagagaca tggaagagag agcccntgag 360
attaaaatgc atggtgt                                     377
```

<210> 2653

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c



## 2037

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (489)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>

2038

&lt;221&gt; misc feature

&lt;222&gt; (495)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2653

```
aattcggcan agcaggggtca ctgtcaagct tgaggaggca ggtacaaaac atattatatt 60
aatcacagaa aatgagatcc tggcacacag ggtcagattg aggggtgggc acctgtagtt 120
ctgcacgatg ttccgagaaa gcttccagct gtnncccccg acagcagcag atttngagga 180
tcagtaacag tgaaaaagtg ccgggctctg ccaggnaaag tactttgggc ccagcgaggt 240
tcctgggatg ttgatgtcta aaggcaattt caccatttt ntgcaggaca gagattaagg 300
gttcagagcg ggagtccaag gggtccaagg gggtccagtt agggggaant tttgggtggcc 360
cctgccctgg gcccttgagg tttttcntca ttcctttnaa gagntcaagg tgnttagatn 420
taggggaaag aaagagngtt cagattntta ctgggtctat nttgggaagg aaggccntag 480
gggattccnt ttttna                                     496
```

&lt;210&gt; 2654

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (132)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (440)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (451)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2039

&lt;221&gt; misc feature

&lt;222&gt; (474)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (479)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (494)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2654

```
aattcggcan agcctaaata caacagggac actctggaca atgacatcat gctgatcaaa 60
ctctcctcac ctgccgtcat caatgcccgc gtgtccacca tctctctgcc caccgcccct 120
ccagctgctg gncactgagt gctgcatact cgggctgggg caacactctg agctttgggtg 180
ctgactaccc agacgagctg aagtgcctgg atgctccggg gctgaccag gctgagtgtgta 240
aagcctccta ccctgggaaa gattaccaac agcatgttct gtgtggggct tccttgaggg 300
gaggcaagga ttccttgcca gctgactttt ggtggccctg tggctctgcaa ggacagttcc 360
aaggggttgt ctncctgggc caggggtgtgc tgggaagaac aggctggagt ttncaccagg 420
tttacaattt gtggattggn ttagggcaac ntggttgcaa cattaagccc ggtnccttng 480
atttttacca taanggct                                     498
```

&lt;210&gt; 2655

&lt;211&gt; 336

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (212)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (235)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2040

<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

<400> 2655  
gaacgcttct gtgagacttg ataatagctc ctctggtgca agtgtggtag ctattgacaa 60  
caaaatcgag caagctatgg atctagtga aagccatttg atgtatgcgg tcagagaaga 120  
agtgagggtc ctcaaagagc aaatcaaaga actaatagag aaaaattccc agctggagca 180  
ggagaacaat ctgntgaaga cactggccag tntgagcag cttgcccagt ttcangccca 240  
gctgcagact ggctcccccc ctgccaccac ccagtcacag ggcaccacac agncccccgc 300  
cagccagtat nntagggctc angaccaacc gcatan 336

<210> 2656  
<211> 622  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (503)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (506)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

## 2041

<220>  
<221> misc feature  
<222> (517)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (594)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (598)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (603)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (611)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (612)  
<223> n equals a,t,g, or c

<400> 2656  
ggagaataca gactatgtga acgcatacctt tattgatggc taccggcaga aggactccta 60  
tatcgccagc cagggccctc ttctccacac aattgaggac ttctggcgaa tgatctggga 120  
gtggaaatcc tgctctatcg tgatgctaac agaactggag gagagaggcc aggagaagtg 180  
tgcccagtac tggccatctg atggactggg gtcctatgga gatattacag tggaaactgaa 240  
gaaggaggag gaatgtgaga gctacaccgt ccgagacctc ctgggcacca acaccaggga 300  
gaataagagc cggcagatcc ggcagttcca cttccatggc tggcctgaag tgggcatccc 360  
cagtgacgga aagggcatga tcagcatcat cgccgccgtg cagaagcagc agcagcagtc 420  
aggggaaccac cccatcaccc gtgcactgca gcgccggggg caggaaggac ngggaccttc 480  
tgtgccctga gcaccgtctg gancntgtg aaancanagg ggattttgga tgtcttcag 540  
actgtcagag cctgcggcctt tcagagggca cacatggtcc agacactgga acantttnag 600  
ttntggttcc nnggtggtgc ag 622

<210> 2657  
<211> 497  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

## 2042

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2657

```

gctcgcgggg gctgcggccg cccgaggctg ccctgaggat ctgtgttttg tgaaaaggag 60
ccaaattcac ctgcagggca ggcggctcta gcagcttcag aagcctggtg ccctggcgac 120
actggacctg ccttggttctc tttgatccca accccacccc cgattttctgc tctgctgact 180
ggggaagtca tcgtgccacc cagaacctga gtgcgggcct ctcagagctc cttcatcggg 240
actttgaaca tgtcggggat cgccctcagc agactcgccc aggagaggaa agcatggagg 300
aaagaccacc catttggttt cgtggctgtc ccaacaaaaa atcccgatgg cacgatgaac 360
ctcatgaact gggagtgcgc cattccggga aagaaaggga ctccgtggga aggaggcttg 420
tttaaaactac ggatgctttt caaagatgat tatccatctt cgncaccaa atgtaaattc 480
gaaccaccat tatttca 497

```

&lt;210&gt; 2658

&lt;211&gt; 584

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2658

```

tgacaccaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg cagnccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agggcagatc acctttcctt 120
tgtctccagc tcttaacatt gaagtggaac aaaatgggaa accgtccctg gttgatttga 180
atgaagaaat gcagcacatg gatgtagagg aatcacagtg tcttagatta tgtccatttt 240
tggaggatca taaagaagac attctatgtg ggccagtatg gcttgctagt ggccttgatc 300
tatcagggca tgctggaatg ttgacgttaa caagcccaa acttggttaa ggtatggcag 360
gaggaaaata tcgttcgttt ttaatccatg tcaaggcagt gaatgaaaga ggaacagaag 420
agatttgtaa tgggtggtatg cgtcctgtag taaggcttcc atccctaaaa caccagagta 480
acaagggtta ttcacttgct tcacttttgg ctaaagttgc agcaggcaag gaaaaatcat 540
ctaattgttaa gaatgaaat acaagtggca cccgtaaatc tgaa 584

```

&lt;210&gt; 2659

&lt;211&gt; 358

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (355)

&lt;223&gt; n equals a,t,g, or c

## 2043

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<400> 2659  
gctgatattt gccggcaaac agctggagga tggccgcact ctctcagact acaacatcca 60  
gaaagagtcc accctgcacc tgggtgttgcg cctgcgaggt ggcattattg agccttctct 120  
ccgccagctt gcccgaaaat acaactgcga caagatgatc tgccgcaagt gctatgctcg 180  
ccttcaccct cgtgctgtca actgccgcaa gaagaagtgt gggtcacacca acaacctgcg 240  
tcccaagaag aaggtcaaat aaggttgttc tttccttgaa gggcagcctc ctgcccaggc 300  
cccgtggccc tggagcctca ataaagtgtc cctttcattg actggaaaaa aaannnnn 358

<210> 2660  
<211> 644  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (588)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (617)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (619)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (620)

2044

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (638)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2660

```
gcatttatng acaagagaaa gcacaaagca tggagaccct ccctccaggg aaagtacggt 60
ggccagactt taaccaggaa gcttatgttg gagggacgat ggtccgctcc gggcaggacc 120
cttacgcccg caacaagttc aaccagggtg agagtgataa gcttcgaatg gacagagcca 180
tccttgacac ccggcatgac cagtgtcagc ggaagcagtg gcgggtggat ctgccggcca 240
ccagcgtggt gatcacgttt cacaatgaag ccaggtcggc cctactcagg accgtgggtca 300
gcggtgcttaa gaaaagcccc ccccatctca taaaagaaat catcttggtg gatgactaca 360
gcaatgatcc tgaggacggg gctctcttgg ggaaaattga gaaagtgcga gttcttagaa 420
atgatcgacg agaaggcctc atgcgctcac gggttcgggg ggccgatgct gcccaagcca 480
aggctctgac cttcctggac agtcactgcg agtgtaatga gcactggctg gagccccctc 540
tggaaagggt ggcgaggac aggactcggg ttgggtcacc catcattnga tgtcattaat 600
attggacca ctttcantnn tgtgggggca tctggctnga cttt 644
```

&lt;210&gt; 2661

&lt;211&gt; 439

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (207)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (253)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (268)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (391)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2661



## 2045

```

ttgttttatt gccatcctgt ttggaagcag cacaatatca ctttcagaag aagcctctag 60
gagatgttct gtacttttnt ccactctcag ttctcagtct tgtaagcagt tacgagtgtg 120
cctttctcct ctaagtaaag aagccataga tgactccccg agacttttag caaaactctt 180
ggccttaaaa ctatgctacc atatatnctt agaagtcaaa ggatgcaaca cagagaatac 240
atTTTTtctat gangattaat acaagtgnat attagtggat ataaccatta attgtttgga 300
ctcagcctta tcttacaaat gcaagggtcat ttatctagat cagtacttaa aaacataaaa 360
ttttactcta ataaaatgca atataaaagt nggtttaatt ttgatatgtg ctttatagga 420
gtgaagctga aaatattta                                     439

```

&lt;210&gt; 2662

&lt;211&gt; 300

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (207)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (258)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (262)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2662

```

tgacaaaaag cctatacgat atgcaagant tgtatttntt caatatcaac catcacattt 60
agaaaacctt cagaaagcat atgtacatag tatcttatgt gtaagtgaat gagaatttta 120
tgaataaact ttttaaggga attaagacan tacaatcgct tgtatctgaa ataaagcaga 180
gacaaaggca aagattatag ctatggntga ggtgaactga gtatcaatac attctaagga 240
taacatagag ttaatganat tnattaaatg atcaatacca gtataataaa tatcctggca 300

```

## 2046

<210> 2663  
<211> 455  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<400> 2663  
ctttaattgt nctcactcac ttccaagttt gaataagact tttattgagg tatttacaaa 60  
tccatatctg catcccttct ttctatgttt ctaattgtca ctttcaccta tacatgctga 120  
ctcctagaaa atagtttggt aaatagcaag gcatgagcaa ttattaataa tccccaaatt 180  
caaatTTTTa aattcatatt tttaatgaca tgagcatttc ccattgtacc tatattactt 240  
tttaaaattac tcctttttccc tggtttgcct tattccacat ccacctaagt ccattgtctt 300  
ttcacatgct atcatattta tctttatgag tacagctttc attgaatttn actaaaccta 360  
gaaattgcaa gacacttgag aaacttctag taacctataa tgtaatcaca tgtaggttaa 420  
tcaacttttt gcaggttatt ttcaattact ctcca 455

<210> 2664  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<400> 2664  
taaaaactaa gtttccaagg cagtatgctg tggtccttga aaagtccttt agaagaattt 60  
tctngaataa atttagagaa aacctaaagt tttcctaggg gatgcttacc aactcctcgc 120  
ccctcccccg cccgccctct tttattttta ttgtgactca ggggttaaata caaactacta 180  
gcagctgttg gtggaaaaga gcccaatccc aaactctggg gttttccttt gttcccaagg 240  
gaggccttng gaggaatgaa tgatcctaaa ggtaatgagc agacctgnng gaatcctcca 300

2047

agtgccacct ctgactaata ttgggctggt gccaggaaaa cccaactttg ggattttcaag 360  
ctattacttt cctgcaacc cctggtgctt gactattcaa ggggacagct ct 412

&lt;210&gt; 2665

&lt;211&gt; 366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2665

agcaggggtcg gcagtgaaga gcagagaaaag gcagttgggg atgttgccac tgtcccccca 60  
gaccaccctg ccatggagac gaggagagctg tcccttcgcg gaaggggggt ggccagcaag 120  
aaggacagag agtggactgg ccgaggaccg ctgagctcag gacccaagga ggactcttct 180  
aggagacgag agagcgaacg ccagggaccc tgtgcaggcc tgctcctccg ttgcaagca 240  
ggctccctcc ccgaggccgt tcagaagcat tcctcagcgg gtccctacacg ttctctctcc 300  
catgtcaagt ttagaagcag tgtcaagacc cacagcagtc ctgcaggagt ttaagggat 360  
gcacgg 366

&lt;210&gt; 2666

&lt;211&gt; 453

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (331)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2666

gaattttaat agtaaaatct tataagtgga tgaggagagt aattaatata tagaacatta 60  
ccaattataa atacatattt aagtataatt tagtgttttc tggaaagaaa tcaaatgtgt 120  
ttctgtgggc attcacattt tcttttttgt gaattttcca agctttctac aatagccata 180  
cattctgcaa tatttatagt ctataactta ttatctctag ttgacaaaca tggttctttg 240  
tttcttaaat tataaatgtc ttttaacctaa aaaaattaaa tagtcattca gcttacaggt 300  
ctgcttaaaa aacagaacat ttttttagctt nttttgaacc aattttttta atgttcctgt 360  
gcaattagta ctttttactt taaacatatg cacttaaagc atccattcac attttaggca 420  
ctcatttcag tattttcttt ctgcttacat tag 453

&lt;210&gt; 2667

&lt;211&gt; 479

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2667

gagagaatag tgggtaggag ttaaccagga aagcaaggat gaaagcgtgt tgcgtttaga 60  
taaaggatag gcttcaaggt cagggaacgt tgctgggtgg tgagatggaa ccctgatgtg 120  
gaggtcagc aggaagaagc aggaaggaca ctgggcccc ggtggtttta gttccagaaa 180  
caaatgtggg cccagggct ctgcaatggg aaggctggaa ctactcaaca taagagctcc 240  
acctttaact gtgcccccta agagtacctg atgatcccc tatctccttg tcaatgttgc 300  
tgttcttctc cagaatctat ttcaacctt ctctgatttc aaaccaccag tccctttacc 360  
tctcagagaa aacagcaacc acaaaagcct ctccacttcc tactatctta atattgacaa 420  
cttcagatc agggagctga gatatctcaa gtcagggttt ctcttctgag cttcagacg 479

2048

<210> 2668  
<211> 450  
<212> DNA  
<213> Homo sapiens

<400> 2668  
ccgcaccca gcccgcgact cacacaaggc aggtgggtga ggaaatccag gtaaggctcc 60  
tgacagcagc tttagaaggg tacttgctgg agtgaattcg ggccctctgat tgctatataa 120  
agttgttaggc aatcaagcaa cagagaactg caagtttcca aaggcaatga agtaggatac 180  
ggaagggaaa tcatggaatt tccacaaaag tcttactggg gcctttcttt ggctagagct 240  
ggcacagtgt gacgttcccc agttagttca gagaaatgct ttctcttttg cgaaacaaaa 300  
tttccaagag taggtgaatc ctaggatttt tcaagcctgg gacagggtcc agggattttc 360  
gtctcagtca ccatctaaag ctttctttcc cacgggctaa agcaaagccc cataggcttc 420  
tccactatga cacctcagct cggattgccc 450

<210> 2669  
<211> 507  
<212> DNA  
<213> Homo sapiens

<400> 2669  
cgctccccc tccctgctct gctctgaggt gccagccaga gccgctcagg gtccctccgtc 60  
cggttttccc tgggcctaac agcagggccc tggggccacc acccgcacct ccctgcctcc 120  
atctcagaaa ctgaagcctg ggagccccct gggccacctg agtctgggag acgcaagcca 180  
atcccgggga cagggccccg ccccttccca gtgaggggca cgctctgggc aatcgtgggg 240  
cagagaaatt tgctttttta cataaaacgt atcctttgtc cctagaatgg caggctacct 300  
ccctgcctta ttctgtgaag atgtagttcc tttattagca gagcttactt tgaaggtaga 360  
ataacaataa atatataagc agttggagag taaaatcact acagtattca agtctaaata 420  
tattacaaat gccagttttt attggaaaat tatatataaa attcttatat acatttttagt 480  
aagcctccat cttagtatct aaaactt 507

<210> 2670  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 2670  
tacaggcatg aaccaccatg cccaacctca tttacaattt ttaaaaaaaaa tcttaagatc 60  
tgtatttttt atagttttata aaagtttttt tgtgatcaca aaaatacatg ctttttggtag 120  
aaacacaaaac atacaaagat gttctataaa actgactttt tatcgtacat ttttaagatat 180  
ttaaaaaatat tttctgtaat ttcattgaaga gtactaaagc cacagtcact gacattgtaa 240  
acacctctgt tcattctcta acctgttagg tgggttaagct attttttaatt ctagggggct 300  
caggctgaac ttgaggttgg ggaggagaat ttgcctctgc ttttagttgc aattttcaag 360  
tgaggtgaaa ttaagtaaaa tttgtaagag cttttttggc tttt 404

<210> 2671  
<211> 414  
<212> DNA  
<213> Homo sapiens

2049

&lt;400&gt; 2671

```
gaaactcctt gttggctcaa ctgctcttca cagatgcata attttggagt ccatacacca 60
ccctgggtcac tctctttaga atacactcca gttttgtaca tttattctat tttcaactgt 120
atgttaattt taaagtacag catgcaacat gaaaattaac atgcacacaa tgagaggagc 180
tgtgttaggc gaaggagctt attgatgatt actttgcttt ttcaaaaatt gtgtttaatg 240
ttggcatata ccccatcttc catagaaata aagtaggggtg ttcaggatct aatttcaa 300
gtagactagt aatctcaaag tgtaatggga caattatatc ccttggtcag gagacaaaat 360
tgctcccaaa ccttcttttg ttctgttttt tcatggcata ttttaagctt aaaa 414
```

&lt;210&gt; 2672

&lt;211&gt; 445

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2672

```
cacgcaagca tggtaggact tgctggtggg ggccgagtaa catccagctt aatctttccc 60
ccccttcgtc gcccggtgcta tgccgggatg ggtccaggct cctgtgtgga ctcgatatat 120
cagagcaacc caatcttgcc gggatcaacc ctaaaggagc cgggctacgg ggccaggaat 180
tgaagtgatg ggttcaaaga ggtagagtta gccgggggtg gagttaatga ggtctcttcc 240
ctctttgggg ctcgacggag ggaggaagct ctgcttgaag cacatggggc tggcccaccc 300
tgtagtcaga ggtagcaagt aatgaggagt cctcctggag tgcctcagct ttagctgggt 360
aaggtagggc gttgtgccat tgtggtcaaa taacattgca cgttctgaac tgtttcttta 420
ctaggttaac gtccctaaaa cccgc 445
```

&lt;210&gt; 2673

&lt;211&gt; 366

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (119)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2673

```
gcagactagg atggctgtat cactaacagc agctgaaact ctggcccttc agggtagaca 60
gggacaagag aagatgatga tgatgggacc aaaggaagag gaacagtctt gtcccaggnc 120
ctgcacatgg acctgcacag gaagagccat gggagaagaa ggaatctctg ggagcagccc 180
aggaagcact gagcatccag ctccagccta aggagacca gcctttccca aagagtgaac 240
aggtatatatt acattttctg tcagttgtta cagaagatgg cccagagccc aaggacaaag 300
gatcattgcc acaaccaccc attactgaag tggaatcaca ggtgttctca gaaaaacttg 360
ctactg 366
```

&lt;210&gt; 2674

&lt;211&gt; 233

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

## 2050

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 2674

acnccctcat aagggaacaa agntngngtt ccacnggtga gnccgtnttg nactatggat 60  
ccccnggctg cagattcggc agagcagaga cagagggagc cagccgggcc ccaggtgtcc 120  
tcggacgcct ccgaaatctc ctgcgtgttt gtttcttcgg agcttcaccg gagcctgact 180  
ctggaaccgg cctgtctgcc tgctgcagtc ttatgcattc ttagaaacca gat 233

<210> 2675

<211> 547

<212> DNA

## 2051

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<400> 2675

```
gatngtatnc aacccacact aaaggnaaca tangctggag ctccaccgcg gtgcgnccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcttttc cattaataaag 120
aaggaggaaa agagaaggag agcaagagaa aaaaaaatta cttatatatgt ctgtcttctt 180
atataagaaa gtgacaccat acaaagaaac aactattcag gctggtgcta gaggggtggg 240
gagccgagga atccctgggg agcagtcaca gggaattcca tccaaaagtc caacatgcag 300
tgaatatccc acaaattgta gtggtgcctc tgcagaggtg gcaatgttga acgcctcgag 360
tattcccgga tgattttgat taatttcctc attccttttc tcctgagtcc agatatcccc 420
agcatagatt gcttcccaca tagtatctcc aattttaagt aatatatagt ctaatatctg 480
tttctttatt ggctaagtgt ctttctctgc gtctcctcta tatcatcaat agtcctctgt 540
catcttt
```

547

<210> 2676

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2052

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (44)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2676

```
ancctcacta agggaaacaaa gctggngctc caccgcggtg ncgnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agctagagag caacatgata aagctttgcc 120
tgtagaagag taactgagca tcgtgtgcag aatggatgag agagaagcag cagagagaca 180
gcaaggccat tcagcaagct caggtggcag gtcccatctg atggaggaga atcaattcaa 240
ggagatgccc ttcctttaca gaacaccctt taacagcatc caggagggaac gagaggctgc 300
aatactgagg ctttcaaagt actcacgagg atgtccgaga atggctgtga tgccaggctt 360
ctggcagggt ccagactcca tcacaagccc agcatccctg caccagatct gacatcgctg 420
ctgttgtgcc agctgtttat gaagggcctg agtagctagc aggtttttat caggagccct 480
gctgggggct tagacaccaa aagagaagtc tcatcctctg tagttcttct tgtgaatgtc 540
cttttagaaa aacaattaga accaaccaca agcaccaaag t 581
```

&lt;210&gt; 2677

&lt;211&gt; 651

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



2053

&lt;221&gt; misc feature

&lt;222&gt; (55)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2677

```

nanagccaac cngtcactta aagggancaa aagctggagc tccaccgcgg tgcgnccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gagggccaac gctggttcta 120
tccctgcttg ttgctttttt ttccctccg cttcttgca cggagactgc tgtccaggaa 180
gtgcgcagta gtgattctag agaggctgga agctctcctg gcgacgctgg gcccgcaag 240
ggctcactga atgactccta ctccctggtga gcgcaggcgt tgcggaactc accgtccac 300
aggacgtgtt tccgggggta cattaattgt ggctggacgc agtggcgagg cagtttaatt 360
ctccggcggc tgcagattga cgggacgaga tggctcctggc agggctcatc aggaaactcg 420
gtcatcagct gcccgagatc agggagcgcg ctctcaagag tattctctgc aagattgagc 480
acaacttaat ctgctacgct gatctcattc aggagaggca actttttctt catttgctgg 540
aatggttcaa tttcccgctc gttccgatga aggaagagg tctgaacctg ttaagcagat 600
tggttaagta tccccagca gtccaacatt tggttgacgt tggtgcagta g 651

```

&lt;210&gt; 2678

&lt;211&gt; 326

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (122)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (151)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2678

```

tgaacatgca gtatatgttc agatagaaaa aggaagtgcc agaataaccc agctttaaaa 60
aggtcttcag aagaaaggaa gtctcacttt ttaaaataaa caaatgagan agtggttttg 120
angaggagca gaaaatggag caacttgatt ncagagcact cgctcccctc gtgatgttgc 180
cgccacacg cacctgcgac ctctgtcaga aacgtgcagc agtgctttcc agctggtggc 240
aggtgatgta catggtacgg agacagagg acgccatggt ggcagggtgca gccgtggtgg 300
agagcacagg gcgacactcg gcttgg 326

```

&lt;210&gt; 2679

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 2679

## 2054

```
ccatcctgtc ctgccaaagt tacatctcgc agatcctggt ggcctctgcc cttggggggcg 60
tggtcgacgc cgtgggggact gtccgcgtca tccccatggt ggcctctgtg ggctctttcc 120
tgggcttcct gacggccaca ttctgtgtga tctatcccga cgtgtcagag gaggccaagg 180
aggagcagaa aggcctgtct tccccgttg cgggcgaagg cagggccggc gggaacagcg 240
aaaagcccac cgtgctgaag ctacgcgga aggagggcct gcagggaccg gtggagacag 300
agtccgtggt ctgagccgca ctcccgttta cacacattcc agc 343
```

<210> 2680

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

2055

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (342)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<400> 2680  
gttttaagca tgtttattca taaaaacaag tcatngntgt attttnnatc ttttaagaatg 60  
cttaaaaaaag ctaatcccta aaatagtttag atctttgtaa atgcatatta aataataaag 120  
tatgaccacac attacttttt atgggtgaaa ataagacaaa aataatagtt ttagtgagga 180  
nggtgctgag taaacataaa aactgatttg ctctcagctg atgtgtcctg nacacagtgg 240  
gaagatttta gtacacactt agtctaactc cccattata cagatttntc actatatata 300  
tnactagaag gggctaangc atattcaatg tattgagaaa cnaaagnaac caca 354

<210> 2681  
<211> 156  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2056

<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<400> 2681  
tagtggatnn ccgggctgca ggaattcggc agagnccaaa aaagtagttt agcaactttt 60  
gttggtagtc naccatcgcn agggccatag tgtagagtgt gaaaagctac cgtgaaacnc 120  
agtaatccta ccctgcaang tgantgccct gccaga 156

<210> 2682  
<211> 219  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)

2057

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

2058

&lt;400&gt; 2682

```
aggcctgcnt ccagggctgg nctgaaggcc tnaccctcc tgcngaaaag ctggccgcn 60
aaanaatgtc tctnagagac tgcgagaacc tttaattttt tnccggctgg ttcggatttg 120
gggtggattt tggttttntt cccctcctc caatntcccc cacccttcc ccgncctttt 180
ttttttttt tttnaaaann ggttttttat nttgaaatt 219
```

&lt;210&gt; 2683

&lt;211&gt; 280

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (267)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (274)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (278)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (280)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2683

```
cctgccgccc ccagctttgc ctggacactg acttcattca tggtcctcct acttcagggg 60
cagcctccca gttcctctgc ttccaaacta tgcaacctcc aacctgctcc agttccagac 120
tgtataacct ctgacctgca ctggttctag accacaacac cagattgtac ccagatagct 180
ggggattgga agtgaggagg tttctcacc cacagataac ccaagacaca aatgtgcaat 240
taaaagtta ttttagacca caaaaanaaa aganaaannn 280
```

&lt;210&gt; 2684

&lt;211&gt; 378

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

2059

<222> (253)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (304)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (330)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (342)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (358)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (370)  
 <223> n equals a,t,g, or c

<400> 2684  
 ggcacgagga aaaagcccg cttcagaaaag cttgtcatta tccataggat acgataactta 60  
 attttacgct tccttatttc ttaggtgggc cacaattagt gaaaatctgt ttgcaaccac 120  
 tggttatcct ggcaaaatgg caagccagtt tcaaattcat catttaggac accctcagcc 180  
 catcctcatg gggtctgtag ccgttggatc tggactgtcc tggcatcgaa ctctccctct 240  
 gtgtgtaatt ggnagggaga ccacaagctg ttgttttggg tgactgaagt ataaagtgtt 300  
 ttcnagtacc ttagattcac aaactttgtn tttttagtac anatttggaa gaattccnat 360  
 agtaccacan ttggaag 378

<210> 2685  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (176)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (304)  
 <223> n equals a,t,g, or c

2060

&lt;400&gt; 2685

```
agagagagag agagagagaa cagtctcgag tttttttttt tttttttaa tgtaaagatt 60
ttatttacaa agcttttttg ttgtacagaa agtaaaaatg ctgttacaat ctcaagtgtaa 120
ctggtagcca cagacggttg actcaccaat cacagctatc cacgctacag caagantctt 180
acacaaaaac ctaacaacgc ttacaatttt tttggggtga agtccacaag cttgggtggta 240
gattaccaag agggactaca tggaaggaag gcggaatgtc acaggaacta ttctttgggt 300
cttnggggtg gtgggtgtcc tggggtttgt atcacagcta cctttttttt ttttttaaac 360
agctacaaaa tccatgagca gtccaaccaa tactgaacag ttctgtttct gcagggtcatc 420
tgggggtct                                     428
```

&lt;210&gt; 2686

&lt;211&gt; 362

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (27)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c



## 2061

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<400> 2686  
gtccggnac ttatagggaa agcnggntac gccgtgcagg taccnggtcc gggaattccc 60  
gggntcgacc cagcggtccg cttcttttag tcaggctttc tgaacattga gatatacctga 120  
acttagagct cttcaatcct aagattttca tgaaaagcct ctcacttgaa cccaaaccag 180  
agtactctta ctgcctcttt tctaaatgtt caggaaaagc attgccagtt cagtcttttc 240  
aaaatgaggg agaaacattt gcctgccttg taataacaag actcagtgtt tatttttnaa 300  
actgcatttt aaaaattgga tagtataata acaataagga gtaagccacc ttttatagg 360  
nn 362

<210> 2687  
<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<400> 2687  
aaggagtcta acacgtgcgc gagtcggggg ctgcgacgaa agccgccgtg gcgcaatgaa 60  
ggtgaaggcc ggcgcgctcg ccggccgagg tgggatccc aggcctctcc agtccgccga 120  
gggcgcacca ccggcccgtc tcgcccgcgc cgccggggag gtggagcacg agcgcacgtg 180  
ttaggacctg aaagatggtg aactatgcct gggcagggcg aacagaggaa actctggtgg 240  
aggtccgtag cggtcctgac gtgcaaactc gtcgtccgac ctgggtatag gggcgaaaga 300  
ctaactgaac catctagtag ctggttcctt ccgaagtctt cctcaggata gctggcgctc 360  
tcgcagaccc gacgcancct cgccacgcat tttatccggt aaagcgaatg attagagggtc 420  
ttgg 424

<210> 2688  
<211> 291  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2062

<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (170)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<400> 2688  
nancgagtgg ttatcttgcg gtaagattat ggatgatatg tatgtttttt tcttcgtatt 60  
tnctacctta aacaaaaagn tagaaaatat gttttaaaaa gttatggatc atttgtttaa 120  
ctttaaaaag cagaaacaaa accagaatta accccaaaac atgttgattn agtcactnct 180  
atgtcactgt ttggcataac tctccttttc atgtcacata ttcttgtcgg ttctagtgat 240  
tgatcaaagg acacctctnc actttccctt gtccctnggg caccctgtnt t 291

<210> 2689  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>

## 2063

<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<400> 2689  
aatcggcgan aggattggag taaggnttgt attttgaggg acatgaatgt ccaaagtttg 60  
gaccatgaag atgatagaat cccaaggaat agctgaattt taaaaggctt tccccccaaa 120  
aatgggcata tatatagtag taataattgc tactgtgtac atttgtttta aaaaatccta 180  
gtgcttgtgc aagtgtaatg aattttgcct tatgacatga ctttgtggtg actatgcaat 240  
ctgtncattg ttncaaaaag ttacacagtg ncaaaggaac at 282

<210> 2690  
<211> 504  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

2064

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>

2065

<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (354)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2066

<222> (378)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (389)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (390)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)

2067

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

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<220>

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2068

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 ggtncgtgctg cagtgcccat caccaccacg aactctctca gcgtcttctg ttgctccgct 120  
 gccgtcttca tcccatgcgc ctcccacat ccactacttt cttatcattt ctaaagcatc 180  
 cttgagtggg acttttgtct ttctcngag aggggagctt agcgcttgng gttnttgagg 240  
 atggtttaat agaggggnat gtgnntagct ggaacccaaa ctcttggtgn nttggtgtga 300  
 cccttgtnntt acacaatggt ngcttatggt ggattggtnn cacngaggnt tnnngtnna 360  
 tnagnttnna aattgntnat tgtgntagnn gaagttncaa aagtgttttt gaaggtaanc 420  
 agtaangnng gnttanaann ggcantnttg tgacnggaga gngtgtnntt gngggggagg 480  
 gnntntgnat ttttnggna taaa 504

<210> 2691  
 <211> 502  
 <212> DNA  
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<220>  
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<220>  
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 <223> n equals a,t,g, or c



2069

<220>  
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## 2070

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<220>  
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<220>  
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<220>  
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tagagagaag cttgcacacc atcataagat aaaaacagc cctctggctc caccgtctca 120  
ttgaagtga tgctgtttat cctccccact aatctgcact cctcacatgg gatcacagcc 180  
cagacaacat ggcagacaga gaggcagatg cagagctgca ctgactcagt gggaccagct 240  
ggggtnggtc atttaaacag accactcctg ccaaacagcc tgcggtgggt ggaacaggaa 300  
ggacttcctt ggcctcgtnc acatgggaga aaagannttt ttttttcccg gagacatgtt 360  
atagttggan tanttnatta cattattttg ggttgnccan tttttttaaa aaacagttan 420  
cgggttttaa aaatttanan aaaatggggg nganttingta aggttngggg catttgatta 480  
tttcannagg tttaacccat gg 502

2071

<210> 2692  
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<213> Homo sapiens

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>

2072

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<223> n equals a,t,g, or c

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2073

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<220>  
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<220>  
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<223> n equals a,t,g, or c

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<222> (463)

## 2074

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<220>

<221> misc feature

<222> (467)

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<220>

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<222> (472)

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<220>

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<222> (481)

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<220>

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<222> (488)

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<220>

<221> misc feature

<222> (491)

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<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<400> 2692

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ggatatgggg catgccattt attttcccaa ttataaaaaga gttttctcag tttgtatctt 120
gggcttttta ccttcagggt tttttttaat gtgattatct tcactctctg gatatccaat 180
tttgttcctt ttaagataag agacagaagg cacatacagt tggatttggt gatgacattt 240
tgttggacaa catttcttca tgaatgtttt tnggcattgg gtgattaggn tcctacagaa 300
caatattttt canatggncacacngtttta aaagcatgaa caacaaagtn atcnntggaa 360
atacgnannn ncaattatgg gttttgtaca ttttnagggt nccctngnng gggccatttg 420
aataatnnan gggttatatn ttggggcntg gnctnggggg agncttncgg tngcggacgg 480
nggccaancc nttttcgggn tt                                     502

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<211> 498

<212> DNA

<213> Homo sapiens

<220>

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<222> (10)

## 2075

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<220>

<221> misc feature

<222> (13)

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<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (313)

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<220>

<221> misc feature

<222> (330)

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<220>

<221> misc feature

<222> (341)

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<220>

<221> misc feature

<222> (342)

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<220>

<221> misc feature

<222> (351)

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<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

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<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

## 2076

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<222> (397)  
<223> n equals a,t,g, or c

<220>  
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<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (411)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
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<222> (437)  
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<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

<220>  
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<222> (444)  
<223> n equals a,t,g, or c

<220>  
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<222> (451)  
<223> n equals a,t,g, or c



2077

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (465)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (466)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (472)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (476)  
<223> n equals a,t,g, or c

<220>  
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<222> (478)  
<223> n equals a,t,g, or c

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gcaggaactc acagtgtcac cagaaccggg tttctttcag ttccgttctt acccatgtta 120  
gttccttttg caatagactc tggcctaata agtggcaaga cagctttatg caacttctta 180  
tatcttctca gagtgcagtc tgggtggggaa agactgaggg acccaggatt ctcatgggtgt 240  
ttcatagggg ctgactgggt gatgtcccg tnttatgaaa ccaattgttg tgggttgcaa 300  
aaatgtgggc agnttccctt ggattcacan ggattttcaa nntgttagga ngcaagtggg 360  
tngcaacatn gaaggnncct tgggggnccc agagttnngg aagggngnga ntttcccaa 420  
ggaaantttg ggggttntnt gccnagggg nggnattntt ggggnnggga anaannangg 480  
gaacctttt ttttttgg 498

2078

<210> 2694  
<211> 494  
<212> DNA  
<213> Homo sapiens

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<222> (167)  
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<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
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<222> (274)  
<223> n equals a,t,g, or c

<220>  
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<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
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<222> (297)  
<223> n equals a,t,g, or c

<220>  
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<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>

2079

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<220>  
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<222> (356)  
<223> n equals a,t,g, or c

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<222> (357)  
<223> n equals a,t,g, or c

<220>  
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<222> (369)  
<223> n equals a,t,g, or c

<220>  
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<222> (387)  
<223> n equals a,t,g, or c

<220>  
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<222> (422)  
<223> n equals a,t,g, or c

<220>  
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<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (452)  
<223> n equals a,t,g, or c

<220>  
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<222> (475)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2080

&lt;222&gt; (479)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (488)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2694

```
aattcggcac gagttcatgt ttgccttctt taatttggaa aacagctgat tgttatattg 60
atgagattaa tttgcttagg ttagacatgg gagtggtttt aatttgctac cgtctgcttg 120
atcccagatc agagtctaac tttttgcatt agctcctctg actgggnatt gaccaacttt 180
gtgaaataaaa agcctgcccg ctgctgcctc tgagactcag ttattagtag ccatggaagg 240
gcttttaggca gggnagctct tcaggggaact cagnggagag tcggtgggna tcatggntga 300
tggcattcag tgggncagnt agcccaggca caggggtgtt aaantacaaa catttnntca 360
cccatatgng ggagggttaaa aaaagtnaat ttcgaaaaca tttttttaat ggccttaact 420
tnggggggtt tnttttttaa aaaggggaac anggggggtt ttggaaacaa tgggnantng 480
ttgggggnaa aaaa 494
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&lt;210&gt; 2695

&lt;211&gt; 240

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (5)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (75)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (220)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2081

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<400> 2695

```
nagtnnactt ggtagctgac ttgagccatg cccttagaat caggctctat aaatacatat 60
gggctaagcc ctcanaggcc atgggaatgt ggaaacgata tggtgggtca agtgtagagt 120
atcagtccat gatgagaact ttttctagac cctcttctgg gctagaattt gggttttcagt 180
gatagagaca ttctaagaat ttgtggagct agaattaagn aagnngttta tattgggctt 240
```

<210> 2696

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2082

&lt;222&gt; (210)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (227)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2696

```
nagggtcttct ccccttatag caggctagct tgggttcctt nacacagtgg tttnantttt 60
ccaagtgcag caagagagca agcaccaatg tgcaagtgaa ctttnaaagc ttctgccttg 120
gcatcatgtt tgcaactgtc ctggtgaacc aaagcaaaag tttcatgaac cagcctaggt 180
tccagggggtt ggaagaataa acacctgttn aaatgggggg aagctgncat tgttatgttg 240
gcgtgggtgt gagtggcacg                                     260
```

&lt;210&gt; 2697

&lt;211&gt; 140

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (80)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (124)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2697

```
aattcggcac agctgcagtt gctaaaggta aggttcaggc tgtttaaccc tctgttaatg 60
aacgcaaaca tgnatcaaan ctgggtagga attttacagg ttattttcat ttctgcccaa 120
aggnagaaaa ccatttcacc                                     140
```

&lt;210&gt; 2698

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2083

<221> misc feature  
<222> (29)  
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<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (200)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

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gtgaagtgga agggctggga agggccccgg gtaaggagtg ggaaatggtg agaattgggg 120  
tagggggagc taagaggggt tncagcccaa ggtgtactta acccagcacc tagagaaacg 180  
ccggagtctt aatgggtgtn tcnataagat atctttcgac tcttgg 226

<210> 2699  
<211> 502  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
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<222> (265)  
<223> n equals a,t,g, or c

<220>

2084

<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
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2085

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2088

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ggggagngca cttganccan tntttgggta aggcntaatt ncaagngtng gggntttant 420
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cagctattcc tgagnagctt gggtgttaat ctatgatttc tatttcntaa gtggtagtca 240  
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## 2103

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<220>  
<221> misc feature

## 2104

&lt;222&gt; (502)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2703

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gaaactatatt cagggcagtt taagaaggct gtacagttta gtgtaggtat atggnacatc 120
tttttttgn ttgtactatt tcttttggac atatgtttgt gaagctaatt aaacttttct 180
gtttcactng gtcactngag gttcataggt ttttctctta aaagacagaa taggactttg 240
ggmntgggtn cactgnccac ttngtttgna gtnatnttag ggnagtgtc cacagaaagg 300
tctttttnat ggtgggggtcc caaaaaaatt taccceggtn tttgatgttg cnagtngct 360
tttnagaatg ncttttnaca ngngagtngg actgtttnan aggnaanggg gnntgttgga 420
agcaacagga ggcattngtga gtagaggacc cngnnttttt tagntngggg gnaaacnnan 480
ggttcagnaa gaggattcag gn 502
```

&lt;210&gt; 2704

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (118)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (144)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2105

<222> (246)

<223> n equals a,t,g, or c

<400> 2704

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anctaggccg agagctggcc agtcccccaa gcacancaaa gcctggagac gctccagntt 120
gggctgggcc cacaaagggg ccanagcctc aggggaagggc tccaggagca gggtttccaa 180
gggaagccac tttccctctt gtccacggnc caggcattga tgcccccttt gggcagcanc 240
cagggnccttc caaagtcggg taagggtggg gcatggggg 279
```

<210> 2705

<211> 496

<212> DNA

<213> Homo sapiens

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<222> (55)

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<222> (318)

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2107

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<223> n equals a,t,g, or c

<220>  
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<222> (473)

2108

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (479)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (485)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (488)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2705

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gttttgagctg ctggagctga ggtttggggc ccaggacceca tcagtcctgt gggaccatct 120
gtgaagactg gctctgagac ccagtgaacct ccataatctgg ggacagttct gtctccactg 180
gttttttgcca ctgggatggga cagggttgag gtggcttcgt cttgctgect gggcattcct 240
ctttaaaata ccctgggctg gccacactgn taagacccat ttngcagatg aggaaaatga 300
aaggctaagg naagatgnac aanttttgag ggncctgtgg catcgnggcg gtttttccag 360
cccggncaaa agttgacccg atgtgaatga aaggcccagg ganttggggg aagcantngn 420
caatnaanna ggngtgtaat ttngancccc aagngggncn atttnccna atnaaaagng 480
gtttnggngg taaaaa 496
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&lt;210&gt; 2706

&lt;211&gt; 501

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (100)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (237)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)



## 2109

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<222> (310)

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<222> (319)

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<220>

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<220>

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<222> (346)

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<220>

<221> misc feature

<222> (347)

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<220>

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<222> (358)

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<220>

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## 2110

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## 2111

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<220>  
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 gattgttttg tgttttgaga atttattttt tcctcaaagn tccctcacct atttcctcca 120  
 aacagacaga attcaaagaa agaatagccc ttctttcatc cattatgaaa tgaatttttc 180  
 atttgagcat gtcattttgc ttttttggtc caatggagat caaagggata caggtnnacc 240  
 cccagtgttc agcagttctt ttcagttctg gaccttnaaa gaaaggggtc tggttgnaat 300  
 tgttgcagan ttagntctnn tncaggcatg tggggacncc agatgnntgg gtgtttgngg 360  
 nageccagtg cttgtnatgn gtaacgtgnt gttttaanga acgggtggna agagcnngga 420  
 aattgggtgt tttcanaaca tttngtaggc aatggcccaa ngntacacat ttttaagggg 480  
 ttaanttggt gnggaaanta a 501

<210> 2707  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

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<220>  
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## 2112

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<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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## 2113

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<223> n equals a,t,g, or c

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<220>  
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<222> (438)  
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<220>  
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## 2114

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<222> (454)  
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<220>  
<221> misc feature  
<222> (455)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (483)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (495)  
<223> n equals a,t,g, or c

<220>  
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<222> (497)  
<223> n equals a,t,g, or c

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ttaactcaat tctatcagtg tacaaagtaa ataaaactta atagtaattt agattaaaaa 120  
atztatagaa tttgctgact gcattgtgag ctaaaatatg agctaaattt atgaatgagt 180  
tgtttggctt cccaaggnaa cttgtgnaga actgaaaatt tgaagtatca gaaaaataac 240  
agtgtgaaat catgaaagga ttctcatana atatatctgg gtttgcagtt tttgaaangg 300  
gcagtgtagg gggnaacctt attaaatctn aaattttcca nngtgtactt ncnattntt 360  
agcncntaag ggaaaggtna aattgtgggtt gggttatacag nggttnttaa tggncccaat 420

## 2115

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<211> 498

<212> DNA

<213> Homo sapiens

<220>

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<221> misc feature

<222> (13)

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<220>

<221> misc feature

<222> (56)

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<222> (374)

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<222> (394)

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<222> (395)

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<220>

<221> misc feature

<222> (405)

## 2116

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<221> misc feature

<222> (407)

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<221> misc feature

<222> (409)

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<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<220>

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<222> (411)

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<222> (446)

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<222> (450)

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<221> misc feature

<222> (476)

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<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 2708

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caacagtcag tgtctgtnat tcagctctgg gagagagccg gctctggctc tgggagagag 120
cagcactgcc gaagtgaagc tgatgagagc tcaccagggt atgctggaag gaggaggatg 180
agacaagggg aatttgagaa gtaagaagat tgatatggta atgcacacac ggctacattt 240
tacttcccat attctcttgg tgtatctata gaaaacaaaa aagangcaac actatggtaa 300
gaaactaact gaagtttttt cttttccatt gcctaagact ttgttttgga cttatatagt 360
attattaatt accnccagtt aacttcaca tggnnnttat tgcntngnn ncggtagttt 420
tggggggggc tcaaaatctg gaggcnttgn ggatttatgg atttagtggg gggctnggta 480
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2117

ccctgggtnc tttgggttc

498

&lt;210&gt; 2709

&lt;211&gt; 495

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (206)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (330)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (343)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

2118

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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2119

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<222> (443)  
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<220>  
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<222> (446)  
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<220>  
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<222> (447)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<220>

## 2120

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cgttagtaaa atagaaatgg ctttacaatt atccattaaa tataaattaga tatttgcttg 180  
atttaactgt gaagcttatg tctttngttg agagtttctg ggattcaggg ggtcttgga 240  
agaggaccat gatgaagtat ggagacatgt tctcagtgcc tagaccagca gctaaagncc 300  
agatccaggc ccattcggcc ccttctttcn gtggnttccc cgnttttgcc cttcggggtn 360  
tttttagggg ggggttggn cccccgggt tnggctnca aanttnngtc tttngncccc 420  
atgggcttcn ggnnggccg gnnttnnang ttttcccggg ggcennnggg ttnttngggn 480  
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gcaggcaacc cgggcggggg accgggactc ccggagagcc cagcaggcca aaggctttgt 180  
ntcttccaca gacgttttcc ntgggacttg tggccctcct ggcgtccaga aaccttnttn 240  
gncctccatt gcactgggtc ctgctggcat tagctctggt gaacctgntn ttgtncctgc 300  
ctgttnccctg gggcttcttt tgttgtgtta attattgtgg gncaagntng gcnnnngntt 360  
nattgttnna tnnnaannag gatttttttg atcttttgta acaatggggn gagggggnncg 420  
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tggaanctt ttttnt 497

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## 2126

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gngaccaacg tttgcactag tttccagggc gtcctgggtn gttttntgca aagccccggg 180  
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gcaagctagc acaggtgnaa aattgggtga agtttttgaa taacttgtca nt 112

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2127

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## 2128

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cctgttcttg ttttactcat ctttgggaaa taatcctagc agctaggnat caggtttgaa 180  
taactaatng gatgattaag tgaaatattt ttaaactaat tcagcgtnta ctcttttag 240  
acaattccat actggaaaat aatttcecca catattccat tnaggcaagt aagggtgncc 300  
aatnccctana taaacttagg ggggggtttcg gtggtntngg tttttttacc cttncccggg 360  
nntttttttt ccnnttttta tntcggnttt tgcttttggg ggaatttgcc ccnggggggn 420  
ttctgttttc ccggcntttt ntttttttnc aanccttttn cnnggggggt tnggggnccc 480  
ccttttngga antn 494

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2131

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agcttaagag atgaagggtg cttgagcagg aaatccaccn atggcccaaa gaggaaagat 180  
ccgctttaa tgcctgggca tatacttcca agaaccagat gtggcctgtt ccttacaact 240  
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## 2132

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2133

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cttttagtta tggattacat tagttaactt ttaatttctt ctgtttcttt tgaaatttta 180  
tttcatcttt tagttgattg ccttttcatg tatatnagga agttattcaa attccacgta 240  
tgnaaaaaga caattcttta gcacataaaa acttattact tcgtgaggat agaggaaaaga 300  
gaaaatgact aaagttantc taattagagg aatggggaag tggtnnttgg gnacaattaa 360  
tcnnngctt tnttgatttt ataggggaag ggtcatnagg tntccnggaa nccngtacng 420  
tagttgntcn ntgtcaccag ccntggccnc aattggcnc cctgggnntt ggtaggaagc 480  
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## 2135

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## 2136

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2137

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<220>

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<222> (468)

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<222> (474)

<223> n equals a,t,g, or c

## 2139

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<400> 2716  
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aaagtatttta ggaacgtggg gttatgggtgt tttctgcacg tgtttacgag atcattttctt 120  
cctcattttct ctcagaactt tgggtgtaaac agcctgnttn cctccttttag gggatgactt 180  
tgaacttagc agatgnctta catgacaaaag gaaactgtga gtaactcctt aaactctcca 240  
ctgtgggntg acttgcttat natcaccaaa ttattattgt tttcccaaaa acgnatctcc 300  
tngtgggatgg tccatggnaa ccnnttttnn nccagngggg aatntnnggg gggtangggg 360  
ntttntngnn tnnttttttg gggatttttt gggcccttnn ttttggnttt ncccccttn 420  
nnnggggggtt tttttnaaaa ccncccagnn tttggggngg gggggggnaa ttnnncccc 480  
cgncccnaa 489

<210> 2717  
<211> 409  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (305)  
<223> n equals a,t,g, or c

<220>  
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<222> (352)  
<223> n equals a,t,g, or c

<220>  
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<222> (365)  
<223> n equals a,t,g, or c

## 2140

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<220>  
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<222> (382)  
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<220>  
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<222> (398)  
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gggactccgg tgaagcctgt tcagccgtct gtntcatgtg gccatcttga gtctactctg 120  
tcgctcttgt gccctagcac cccgagaact gtcagtttga gccagatgga agctgagctg 180  
aacacattac gatggatgat ggaaacataa gactatcaag aaatccaagt ggtaatgggc 240  
gaattttattc agcatccggc aatggactta tcgtagtttg gggaaacggg gtgtttccga 300  
taatntcctg gagttatcag gacacctttt ttaaatttgg ggcttgattt tngtaaaagt 360  
aattntttta ggtggtccng gnttaattta attaaaangc ttttaattca 409

<210> 2718  
<211> 374  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>



## 2141

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<220>  
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<222> (210)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<222> (361)  
<223> n equals a,t,g, or c

<220>  
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<222> (365)  
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aagagaaatt ntagacttct tgattttaat gcagatgatt taaaccagat gatcataacc 120  
ttttnatgga agtagtacgt atatttggcc cccagggacc tgagaatccc cagtgcctcca 180  
naggagacac tctgcagaag aatgtntgtn ttccagaaaa gggagtaggt cctctggtgg 240  
cagctgctac tgtgccagtt tatatggggc cagttaagat tagnggctga ttggccagct 300  
caaaaaagct gnttaaaaaca caaaaaaaac tcaagagagc ttttgccagt gctcntttgt 360  
ncccntggga accc 374

<210> 2719  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (34)

## 2142

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<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

## 2143

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<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
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<222> (241)  
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
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<222> (316)  
<223> n equals a,t,g, or c

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caaggagaaat ggcggtgatg antnatgtcc accgngcctt cctccanttc ctgatgaccc 120  
atgggggtgct aaaggaatgg gaacgtgaaa ggccttgacg aggcactgct acaaggtcca 180  
tgaaccgcag tgcccaccgt agatnaantt ggaggacttc atccaacaac attnaacagt 240  
nttttggaag tccttggtata ttgagattaa agagaaggag tgcacggaaa gatgatgggn 300  
agacccattt tatgnnttgg tg 322

<210> 2720  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (77)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2144

<222> (83)  
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<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<222> (122)  
<223> n equals a,t,g, or c

<220>  
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<222> (139)  
<223> n equals a,t,g, or c

<220>  
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<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
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<222> (232)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)

2145

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (270)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (310)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (324)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2720

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ggcagagtgg gatgtcacgc gttcatgctg aagagaaatt gtaaaggaac tcctttgcct 60
ggctcaggcc ccatggnetc ctnttnatgt tttgtccccg tccctttgtg agtcacagca 120
gncagtgggg ctggctggna ctgtgccagg cgaaggttca agggatggag gtacagttgt 180
gtngaaaggt ggagcctngc tgggaccggg gnagcttttc ctccaaggcc tncgcctggn 240
cttatgaatg gncgttnagg ggttgagggn gaaagctttc atccccaaaa tggcaccagt 300
taacttgggg atgttcaaga atgnatggtt tggctggntt cttcagggat tggngttcaa 360
ttttccancc caattgaacc tttcc                                     385
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&lt;210&gt; 2721

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (31)

&lt;223&gt; n equals a,t,g, or c

## 2146

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
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<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (312)  
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<220>  
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<222> (354)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

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acttcatctt ttgctcaaga ntttaccacc cctcatagcc aaccaggctc agctctgtna 120  
acagtgtcac ctgccagcac cacagtgccca ggccttagtg aggaatctac caccttctac 180  
agcagcccag gctcaactga aaccacagcg tttnttcaca gcaacacttc agcctatccc 240  
agagaaaacg gcacagggaa cagtatgatg tgcctcaaga gtgancgaaa ggaaggcacc 300  
cctggaatct tnccagaaga cggccatctg ggaaggacca gaatttgagg gcgngccnat 360  
ttcgggnctt g 371

<210> 2722  
<211> 472

2147

<212> DNA  
<213> Homo sapiens

<220>  
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<222> (10)  
<223> n equals a,t,g, or c

<220>  
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<222> (29)  
<223> n equals a,t,g, or c

<220>  
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<222> (44)  
<223> n equals a,t,g, or c

<220>  
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<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
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<222> (88)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
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<222> (123)

2148

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (125)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (129)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (204)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (207)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (315)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (379)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (456)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2722

ggcagcagccn cgtccaattc ggcacagtng gcactttaca aggnattntt ttcacaaaca 60  
catttttnatc ctccaacaac atttttnnat ggtccctgct gtggaanata gtaatgtaaa 120  
atnlnactna ccccatcac acattgcaag cagcactcac ttctttggaa agctgagctc 180



## 2149

tgcattgcaac atgctgcccc aganggnaag gaagcagcac tggagacctg tgttttcgtaa 240  
ctaaccaaga taagggcatt tttttccaaa tgtctgtgga gggggtcaca caattttnaa 300  
ctattttactg ctgtnaaccc cattttttaa agtgtagtct gtgaagccat ctgnaatcaa 360  
agttctcttg caaaatccng gccaaaatcc agacatactg aatcagaggg tcagggtcca 420  
gattaggcat tttgaacaaa ctcagggtca taaagnttga aaagtttttg gg 472

<210> 2723

<211> 416

<212> DNA

<213> Homo sapiens

<220>

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<222> (46)

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<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

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<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<400> 2723

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gcatgataac tattggacgc aaaatctgtg ttcacaaaga ccatccaaat gctttttaa 120  
tatcaaattt ctttttcctac atttggtgaag ggtgtggcat tgatacccta ctgggattat 180  
aaattggtaa tgggtttttg aaagcagttt ggtaatatgc atcaaaaact gttgacattt 240

## 2150

ttcattcacc ttggcctag taatttcatt tctgagcatc ttttctatgg gaactattcc 300  
taaataattgg gaaaagcttt tatttatggc atgaagatgc tccattggag ntattattta 360  
taattngggg aanttaancc ccagttgtc ttaccagggg ggggnttttt taaatt 416

<210> 2724

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

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<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

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<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

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<220>

<221> misc feature

2151

<222> (265)  
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<220>  
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<222> (276)  
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<220>  
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<222> (294)  
<223> n equals a,t,g, or c

<220>  
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<222> (303)  
<223> n equals a,t,g, or c

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tcaagagagc agtaaatgaa tttaaagcaan ccatgctttc acattaagca cttggagact 120  
gtagtgtntg tctagatcat gnattacatt gtagggatta taatcggnaa atnaaggtaa 180  
ataaaagtca attctgctaa acagttgatt actattccca aagggaaaag tctcatttga 240  
ctntctctct ttttaaactg agttnaccag aaaggntgaa ataccaaaga aggntaaatt 300  
aanatggcat tgctggggaa a 321

<210> 2725  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

## 2152

<220>  
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<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (322)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (338)  
<223> n equals a,t,g, or c

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tagataaaaa cttgggggctt ataaaaagag cacctacaca ctaataaatt tcagaatata 120  
tcagattagg cattctagtt tgagaatgtg cttganattgc atttntgttt ggatgactta 180  
ttaaagaaac agcactctgc cccaaccaa ctaatttcct catgccctgc aagtgccagt 240  
gtatccattc ctgctttggg ttttntctna tgtctcccaa tttcccataa tggctccttc 300  
taantccttt ccagtgcac tncagaatctt ctcttttnt tttggc 346

<210> 2726  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)

## 2153

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<400> 2726

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ggcacgaggt actggttcat agccatcate ttccatcagt accccagaga ttcactttgt 60
ctcttatgtg ggatctgttt ccagttagat gccattattt tccttttcct tggtttactc 120
ttccacatat tggtaaagct cttccaatag cttttggnaa aggaaaaatg naaaagtnaa 180
atgttttgna atctctgtgt gtttgacaat gtctttatatt tacccttata cctgattgcn 240
gttttggttg gcaagggtata gggattcttt agtgggtctcc atgcccagtt ttggaagaca 300
tctgctaagc tttccagtggt ctgttgctgt gggagtctga aaaatctgtc ctttctgggn 360
ttccaggggtg gactactgga aattggaagg ccattctgtt ccttccccct ttggcaaaaa 420
aanccntttt taaaccc                                     437
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<210> 2727

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

2154

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

## 2155

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (409)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (440)  
<223> n equals a,t,g, or c

<400> 2727  
ggcagagcag gcatctttna tttggcagtc ctacaataaa atgcagttgt natggacttt 60  
tccaaccatt gtccttgagt agtgctgtgt agtgtggttc acatacccat ctaggaagtc 120  
tcatgaaggc agcggccttt ggatattaaa gaatgtaaca gagttttaga gagtgccaaa 180  
cccaaggcat acggactttg aattttatct gaccggcact gacatgctga gactttcaga 240  
ttgggaaaagc catttgttgt tactgccatg tntgtnccca aattcttccc gtttagtttt 300  
naaaagnncc aaggaatnat ctttgggttt aggttagget ttgngtncta ggngaatttt 360  
gggatgggtt tnnacatttt cctggcccat aagggttttt taaaaggang gnccctttgt 420  
tntcccaggn tttacacggn atttgggggg ggggttaaagc cccctggca caaat 476

<210> 2728  
<211> 384  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>

## 2156

<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



## 2157

&lt;222&gt; (308)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (324)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (369)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2728

```
ggcagaggggt ttctcctccc tagtttctgt gtctgtcctg ttccactgt cctctttgcc 60
tgggtgagcta gagcacttaa gttggcataa agtgctgctg caaaaatgtt aggggtataa 120
caattttgtga ntatgaaagc tcgcattaat cttccagtgt gtccatctaa gtaaattttt 180
gtgggttgcac ttntgcttgg gctgcaaaaat aaagctgatt ttnatttcca ggnngtacct 240
tttctccctn tncaagttta ttatnnttgn gttttgcatt ntgtgtttta gaaacaacca 300
accatttnga cncatgtaac ttttctttgc ctccccagc tttttgggtc tttggcaacc 360
cttgtgggnc atgtgggcct tgat                                     384
```

&lt;210&gt; 2729

&lt;211&gt; 326

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (180)

&lt;223&gt; n equals a,t,g, or c

2158

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<400> 2729  
ggggcgaggg agcacatggc aagggaatga caggccaagg tggggcccag aggctgntta 60  
aggaggcaca gactccctgg tgggaggctg gggccatgag acccgtnctg cactcaggaa 120  
gccacattgc aggcagactt ttttagatga ggaagcactg cccagagtgc ctcgtttccn 180  
tttttttgtt ggaattggaa atgaatgctt cccatcantc gcaagcttct gtacgttcac 240  
tgtgncttga cattgtggac ttctaaacat tatttntccg tgnagcgaat cctttcaage 300  
ctggtaaggg gacttnacag cttgtn 326

<210> 2730  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2159

<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (339)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)

## 2160

<223> n equals a,t,g, or c

<400> 2730

```
ggcagcagca gtttttagatt tnatcagttg gtctattttg ggatttgaag attaagctgt 60
aattcctcta cctctcctct aagcgcatac ctccctctct nattttcaca gtagagtga 120
gttacatcac actttctggt taagttagca ttcaatattt atactatttt nactctgtaa 180
atactattca caactggaat gtgtggtatc tgtaattata ttnccttttt nggtccaatt 240
ttnggcttga gtttttttga attaataata ctgccttatt atttnatttg tntgagtggg 300
tctatatagc agaagactgc ttattatagt ngatattttna aacttcccag aacagaatga 360
catgnnttta cactccaggc tgtcc 385
```

<210> 2731

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

## 2161

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<400> 2731  
ggcacgagag actgtctect ccctccccgc ctgnaatgaa ccctgtnaag ggagacaggc 60  
caggaagtcc cagaaatatt tattcttgn actctcacia aatggaaaag ggtctcaatt 120  
tttgtttctt taaggaactt gtgttctgcg tctgtgtcta cactgcctcc tctcaccaac 180  
caaattgtct agccccctc cagttacgct agaactctgc tttatcttca aggaagaaaag 240  
ggagtnggga gaagttacct ctnaaacct ccagcatggc catcaatctt tttggaataa 300  
tttgggaggg tcaacatgct tttgggaaaa gtgttttgga aaacggtttt ggggggggttg 360  
aaaaggaaat nttttgctn aantggncct ttaacttcac gggngtgacc cattcaa 417

<210> 2732  
<211> 343  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2162

&lt;222&gt; (332)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (343)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2732

```
ggcaccgagcg gcaccgaggca aaactctgtc tcaaaaagaa atgaaagggt tacctgttgt 60
taaatagatga caancagtat tcatgaacat ttggtttata caagatttac cttttatactt 120
aaccaaaata cttcttgatg taattattat gtcggtaaaa tttaattagg aaatttttta 180
aattccaaga aaatattttc ctgtagctta agccattata tttggttcag tgcttataaa 240
agcaaaaagaa taatttgtca ttcatttttt aaantagtgt tttttccaaa tttgancant 300
aataccaaca tttcatccaa tgggttacc cncctctgctg ggn 343
```

&lt;210&gt; 2733

&lt;211&gt; 496

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (338)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (478)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (488)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2733

```
ggcaccgagca ccgcgcctag ccagttttat tacactgctg tagtcagtgc ctacaaat 60
tntcctcctt gccctttttg gccaacatta gctttaatca ttatcctaaa accaggaagc 120
tcaatctacc atgctttcat ccttgaaata aatttgggaa gtgacactca ggtcagaata 180
atztatgggt gatggagaca ggtgagcagc aatggaactg tcaaggggga ggatttttcc 240
actaccctct ggaggggtta gtggagccct gttgtatgaa aggaactttt aaaaccatgt 300
gtgtctctca aaggggatac ggctggataa ctagtggnta ggcagatcgt ccattaaaga 360
tgggatatta gatgtctaaa attttaattc ctaccagtaa accctgtgat gatggggtat 420
tattaattcc ccattttttac aggccattta attgaagggc tcaggaaagg ggttagtngg 480
ctttttnttt ccaaag 496
```

## 2163

<210> 2734  
<211> 347  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<400> 2734  
ggcanaggna gaccagaccc atcagaantc cagacgacag ccaagcatgg ccaagaaagg 60  
aagtgtcttc aggcctatgc aacagcctgg tgggatctca cagtgggac ctcctcaaga 120  
cctcatttgc ccctgcctac aaccacaaag aattcaaggc agttcctacc aggaaacaat 180  
gtgagatccc agagtcctga gactgggatg gggttcttgg aaagtgggtc ggactgcctc 240

## 2164

ttgtggaaga ccctgcccag agcccctgng tgtgaagcac aagcagacca ggacccaagc 300  
aattggnntcc catgnaaact ttggngccc cnattggta agatttt 347

<210> 2735

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)



## 2165

<223> n equals a,t,g, or c

<400> 2735

```
ggcacgagct tggcctgtca gctgtncatc tgtaattcan cctgcnttat tcataatgta 60
actgaagctt gggggtgggg aggtaagaat agaaaaaacg gattcatgtt acagtgtggc 120
agggtgcagga gatggaaant ggcccagttc attgagaccc ttctggcctt cccatactat 180
ttgaggaagg aagagcagtt catgtgaaaa attgaacaac aaacctgtct tccagacttt 240
ctcaaacata ccaaattcta tggggtgtgt gccatttctg gcatgcaggg aattctggat 300
atgccagggtg tgtttggtg cttgactcca cttgaaagg gaaatgggct ctgcntttgt 360
actgtgggca gttgggcaaa ggactttgac ctctgtgttc caattttggg acagggaaaa 420
gtgccagtct caacatgcag gtttctnggc ataaaccagc gggttggtag ggaaaataac 480
cncagtttnt gtttagacac t                                     501
```

<210> 2736

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 2736

```
ggcacgagct gccatctaaa atttcatttg aaataagtat tctnctgctt tcaaaaaaaaa 60
aaaannnttt tnaaa                                     75
```

<210> 2737

<211> 86

<212> DNA

<213> Homo sapiens

## 2166

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<400> 2737  
cggcagagcc acaatgaaca gtncacttaa tncctgggt tttccaataa acagtttnaa 60  
ggatataant nggtttaaaa aataat 86

<210> 2738  
<211> 56  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>

## 2167

<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<400> 2738  
agaggggncg catccatggt taatncacac ccnctgtcta tnaacttttg gaatcn 56

<210> 2739  
<211> 470  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (349)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (425)  
<223> n equals a,t,g, or c

2168

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<400> 2739  
ggcagagcgg caccgagcagg aatattgctg tcagtcctga gaggtggcat ttactggcag 60  
atagacctca gacaagtaat ttactcctg taagcctgaa tttntttata gtaccctaac 120  
tcataagatt ggtgagatgt ttacaaataa cctaagagaa gtttcctggg caaagcctga 180  
cttacagggtg caaggtaaca tgaaattact gcactgagac agatttagtt ctgagtatgt 240  
ttatgccact tagcctatatt ttgtatataa attgtacaga atactttatc aaacaagaat 300  
agagtataca ttctttctcaa gctcatacag aacatttcac caggttngnc cacattctgg 360  
gncctagggt acaccttaac caattttaaa ccggttaaaa gcttncaaag tttgttctca 420  
gncncatgn tatttaacct aaaattcacc accnggaggt taccgccgtt 470

<210> 2740  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

2169

<220>  
<221> misc feature  
<222> (354)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (387)  
<223> n equals a,t,g, or c

<400> 2740  
ggcacgagca gctgtctaag aggttggaag atnaactact caagatagtc acgaaaatac 60  
tgaantttga ttttcctttc catatttgaa ttaatttttc ctgtttgact ggaagggggtt 120  
tttgtataac taaaacctca gcgcataaag gagattttaa aggagcacat gatttagtgg 180  
gtgggccatg aaactagaga tgggatttgg ggggtgaattt gtcaatatct ggattttaat 240  
ccagacatct ctgctaacaa gccttttgta agtcacttca gatacttttn cctccttttt 300  
acaaagagag ggctggctta gttatttgcc caagnccctt tccaggctgn attnccacaa 360  
gtacggttta ctgtantgtc ttatcancct ttcaag 396

<210> 2741  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2170

<222> (275)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (323)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (339)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (342)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (352)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (391)  
 <223> n equals a,t,g, or c

<400> 2741  
 aacatacgcgt gtagttttgg tatagtttag gcttactgag ccacttttnat nagtcctggg 60  
 aattgatggg aacactccta aaatcttaaa tnetcaaaca cctgagaaac aagggccaac 120  
 cttgtaaagc aggcctccaa ggagagcagt caagcctcct atgttaactc ttctgtatga 180  
 ctatatataa tagaaagtga atgatgttga aagtcatta agatttatcc ttgtnttgaa 240  
 acctccatat ctagaagtgg aaacatgaca ggggnathtt gacgtaataa aagggaaaac 300  
 tattgaggtg atactgatac ggntatatat tgcactctng gnaacagggg gngttttccg 360  
 ttaagattac ctggcaaccg ttttttgggc nttatggtcc cggaac 406

<210> 2742  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (32)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (35)  
 <223> n equals a,t,g, or c

## 2171

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<400> 2742  
ttcccagttcc accgtcccca tcgtgggcat tngtncctggc ctggctgtcc tagcagttgt 60  
ggtgatcggg gctgtgggtcg ntggc 85

<210> 2743  
<211> 135  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<400> 2743

## 2172

ggcagancgg gcacgagcnt gggggtaccc agcaaggagg ccacggtgcc tgacctcaag 60  
cncaanctn tggaccagat catggtgaca gtttaggcag ggcccccaag ggagtggcan 120  
ggagattgng gccct 135

<210> 2744

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<400> 2744

ggcanagggg aagccattaa tgnactaant cgttttgacc acatatatac caagncccta 60  
gncttagaga taccc 75

<210> 2745

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)



2173

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (153)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (181)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (187)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (200)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (226)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2745

```
gggttggttg tncatgtttt tttctccccg tttcctgcct ttccgtagat ataaagggcg 60
ttctggtgtc actaaaaatg actatagtgt ccagtgtctc tnatttccat gtgaatctac 120
aattggggac cccctccaa aaaaggaaaa gtnaaggcag gatgagggaaggagg 180
naaaatntga ctgcataggn cccaaagggt ttcctctaata tagaan 226
```

&lt;210&gt; 2746

&lt;211&gt; 363

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

2174

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (151)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (321)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (354)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (359)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2746

```

ggcacgaggn agaagcagga ggtcattaaa gaagaccatc gtctttgggg tttgggaatt 60
ggcacaaaggc atataaccca ctgattctct gatgtntgac aggtgagtag ctcaggccaa 120
gtgaactggc ttcctcatcc atctggtctg nggctgagct gggactacag ccaagtttcc 180
acactctgtt taaataccta agagaaagag atcacctgc acggaatgag ttgacctaa 240
aggagtgaag gagataaaca aagggatctt tgttcctgna tttccctgga agggaagcca 300
aatggcaata ggggagatgt ngggtatgga cacatncccc agagcagcca gcangtggnc 360
acc 363

```

&lt;210&gt; 2747

&lt;211&gt; 54

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

## 2175

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<400> 2747  
cctgtcctaa tgnnttttaa ggtaggggat caaaancctg ggcttaatgt ataa 54

<210> 2748  
<211> 157  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)

## 2176

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<400> 2748

```
aatttncctt ttaaaagcct gtggaganct agaggngaaa anctttaaaa ggtgatgctg 60
gggcagtaag tgggggggatg gggagctggg ttccccggnt tcaaaggggg tgtttttaga 120
gacatgnatg ttttggnac aaagggcanc aangggt 157
```

<210> 2749

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

2177

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<400> 2749  
ggcacgagca agagtgagtt ttaggtactt tacctaactt tcagagattg gagcattagt 60  
ctagcagtat ttttgtaagc nagtttttat ttgatgttgt ttgctattat tgctgtctgt 120  
catataaggt cgnaatctaa taaaatatct gngggtaagg gaagctggga gaaccttgga 180  
gtcttatata tctagtgaat atcaaatgng gantttgaga atgtcacatc aaattttgtg 240  
tantaataac attgggttcat atttaacca ttacataggt tgatttttag ggngctatgg 300  
attgnaccat ttgaaatatt natnanggae aaccatgggc cgga 344

<210> 2750  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2178

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (150)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (248)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (320)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (370)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (380)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2750

```
ggcanagcgg cacgagcnac aacacctctt tcataaagag acttgtgtat tcagcaaaat 60
aatttgaatt taatcctgac cacttaggaa gcttgatgct tgancttgcg aactttaagg 120
gctggatatg ggagggaaaa gaagaataan cataaaaaatg aatcctacag taaaaacaca 180
ggacccaaaa aatcttttta tttaaaaaaa ttaaaatggt tgtcccatta taagtttctg 240
ggcttgtntt tctttccgtg aaatataaac tttttggcca gcttttaagc agttgccagt 300
naaaatgggg gggttaaaan gggaatttgg gtttagtgcc aaagagttgg gggtttggga 360
atgggggngn ttggaagggn aa 382
```

&lt;210&gt; 2751

&lt;211&gt; 235

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2179

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

## 2180

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<400> 2751  
ggcanagtag ctgcangntg aacagcagca cctactttat taccatctta ctgtcattca 60  
aagaaggcag agctgaatgc nggagaaaaa ctgagtacta gcaacanttt ttgaaacct 120  
ggcatactgt cataactgag gctagtaatt aatccctggn acttgtttgc cactgaaaat 180  
ntccttgttt tgnttaccct ggttttcagc tnggnaccct ggatcacttg gaagg 235

<210> 2752  
<211> 301  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (100)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c



2181

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (299)  
<223> n equals a,t,g, or c

<400> 2752  
ggcagagggt ttttnaacag catctgacaa gaaaattgtn tctctatggt acactcctaa 60  
gagtagtgcc tttaaggaga gtcagactat cacatatctn tccccgctac ttttcccacc 120  
tntccaagca ggcttcattn atgtttactt aggtttcana tccattcaca ggggcacaga 180  
ctcagtcctc agtgnaatct tgaaagntta ctggttcatt attgcacact tttattagtg 240  
cctgtnantc tgtttgaaga atggtttttn attaaacact ccctttgggt aaatggccng 300  
t 301

<210> 2753  
<211> 292  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)

## 2182

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<400> 2753

```
cagcccatca aagagagagg ctctcctagg gcgtccaggg ctggccatct ttaaaccgggg 60
agctttcttg agtggctcct cntgttagga gcagaagccc ggcctggaca cccctcggcc 120
tgggacaccc ctgaaggag agggcgcttc cttgaagtag gtgggctccc cttggccctt 180
ccntccctat nactccatac tgggggtggg ctggaggngg ncacaggcan gctnattgta 240
aaaacctttt tatttttagta aaaattatac agaagnttaa aaaaaaaaaa aa 292
```

<210> 2754

<211> 121

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2183

<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 2754  
cagttcctnc cgtgatnadc cctacccttt tccacatttt ctntaaatgt ggggtttttt 60  
ttttgttngc ttgggttttga ggggtagagg ggaanccct cncngattgc cccttttaaaa 120  
a 121

<210> 2755  
<211> 97  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)

2184

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2755

ggcacaggna gagagagaac tagtctccag tttttttttt tttttttttt taaaaattgg 60  
gggggantcc tgggggttna aaagggtntg gggccnt 97

&lt;210&gt; 2756

&lt;211&gt; 195

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (45)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (89)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

2185

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<400> 2756  
ggcagacctg tccccaaaggc ctcttcctta ttatggcagg gagtngggat tggncctact 60  
tncctttctct ggaaaggaaa gcctccaana ntccatgtcc ttgggcagct ttagaaggcg 120  
ttnagaacca cgcctagcag gnagaccttg aagctcacct ttagtctatc tncagaggga 180  
ttcanttccn gcaca 195

<210> 2757  
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<212> DNA  
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## 2186

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<220>  
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<400> 2757  
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<210> 2758  
<211> 70  
<212> DNA  
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<220>  
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<220>  
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<220>  
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atcgtnana 70

<210> 2759  
<211> 392  
<212> DNA  
<213> Homo sapiens

2187

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<220>  
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accaggataa tcagaaaata tcccaaagcc ttccaaagag agaaaaaaaa agtcacatac 120  
aaaggatcag gaatttaaat ggcgctgaaa ttctcaaagc aaatttttgaa gtccgagcac 180  
agaggaagca agagcttctg aattctgagg gcaaacaatt tctaagttga cttttctatc 240  
cagctagaac ttcgtgcagt gtgaagttag aatgangtat gttcagacng tgagttcttg 300  
aaaatatcac ctcccttgcc cttttttcng gcagttantt aggttggtgct ccaaccaaac 360  
aggggggnaaa ccagggaat ngggcacagn aa 392

<210> 2760  
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<212> DNA  
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<220>

2188

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<220>  
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2189

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<220>  
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<220>  
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## 2190

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<220>

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<222> (273)

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<220>

<221> misc feature

<222> (280)

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<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<400> 2760

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tggttggtttc catattttgt ntgttttncct atttccaaan tagcctnnct tgggtactaca 120
tggttaaagnt caagctnttt ttctancccg atcagggatg tanctcttcc ccgtgtcttn 180
acagtgtccc naagnaagtt ttttggcagc actctctggt agctgcaggg gtagtgaaat 240
ttggtccaga gaaggcgnga nggaaatagt ttncctgttn cctagctctc cgaggtcggg 300
tttttncct                                     307
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<210> 2761

<211> 405

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (340)

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<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

## 2191

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<220>  
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<222> (397)  
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gatattttgc agattttctaa atgcatttta ttgcatttag aagggaattt tgtagtattg 120  
agaaaatgca ngcaaaaaat gaagtagaga tacaatgtcc atttaactca gaacaaaaca 180  
accttatttc cccatagttg aaatggaggg cggggaagtc aggcagtggg ttctgaaagc 240  
caagaactta gtagcactgt gccattctct tgcctgatcc agtgccattc ccttcacttg 300  
atatctgttt acttttagagg aggcagtttt tgagaaaggc tcctaaatat ccngggccca 360  
tgnccccagg ggctttggac caggcaaagg ancatantgc cctgg 405

<210> 2762  
<211> 478  
<212> DNA  
<213> Homo sapiens

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<220>  
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## 2192

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<222> (338)

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<220>

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<222> (342)

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<220>

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<222> (350)

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<220>

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<222> (352)

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<220>

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<220>

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<220>

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<222> (405)

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<220>

<221> misc feature

<222> (413)

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2193

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<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (475)  
<223> n equals a,t,g, or c

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aacgctgtgg naaattcctc ataagaagac ctgtactaca agatacatgt ttttacatca 120  
gtacatggaa cattctcgaa gatagaccat atgataggcc acaaaacaag tctcagtaaa 180  
ttaagaaaa tcaaaattat attaagtact ctatcagagc acattgggat taaaattaga 240  
aaacaactct naaaaggaac cettcaaaac cataaaatat gtgccagn gn cacacatngg 300  
cttcaaatta aggggttgan ggangttcta ccagccgntg gnaagcaaan annggccggg 360  
gnttncaagc ccgggttctg ttaaaaccgg cttttaacc accangttcc aanggggncca 420  
gncctttcct tatgggttaag ggggttcctt ttaaccagg ggggttactt ttccncgg 478

<210> 2763  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (130)  
<223> n equals a,t,g, or c

<220>  
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<222> (203)  
<223> n equals a,t,g, or c

<220>  
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<222> (341)  
<223> n equals a,t,g, or c

## 2194

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<220>  
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<220>  
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<222> (379)  
<223> n equals a,t,g, or c

<220>  
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<222> (403)  
<223> n equals a,t,g, or c

<220>  
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<222> (441)  
<223> n equals a,t,g, or c

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ttagttactc tcacccttgt tattatggaa ggtaaaattc ctggatccta gatttaattt 120  
taaaatagtn aattttaataa tgtctggttg aaacctctta aaaaaaacac tttgcagcac 180  
atctctggta gccctgtgct tngaatgac ttttaggctg ccagttcaga agatggaaga 240  
tattaaactg tggtgatgga gttgggtttt ccagtgggac cctgttaggt tcctttttaa 300  
aaaaaataat aattttttat aatgggtatg tcttcgtgag nccctcacia cntgagggt 360  
tttacttggt tgggcnganc aagggacatg aacgttttaa agnccgttcc actaacattt 420  
acgggagggg gcttaaaggg ngc 443

<210> 2764  
<211> 51  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>

## 2195

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 2764

ggcagagaaaa aagagtggaa tcatgtaaaa ttctcagtta anccancaan g

51

<210> 2765

<211> 117

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

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<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

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<222> (73)

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<220>

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<222> (104)

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<220>

<221> misc feature

<222> (116)

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<400> 2765

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agtgaacatc cantgctggg tgcagctcca tgcaccctgt tgtntgttta catgtnt 117

## 2196

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<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (347)  
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<220>  
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<222> (359)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (393)  
<223> n equals a,t,g, or c

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tttaacatct tgcttgaatg acttccccag gcccagccag tctcccgcc tccagctccgc 120  
ccccttctga actcccttta tgtggtacaa tcagagagcc cttcccaaag cacaaatctg 180  
cttttactgc tttgcttcaa gccctttngt ggctcctatt tccagctgga tgaggtccaa 240  
gcctgtnaac gtgctgtacg tgttacatgg cctgaccccc cgtaatttg accagccaag 300



## 2197

ttttcttaca tagcgttgtg gtcttttggt tccttcctgc ctagaantgt cctttcccnt 360  
ttnattttgg ttttnagggg tggtgccaaa ttncta 396

<210> 2767

<211> 409

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<220>

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<222> (261)

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<220>

<221> misc feature

<222> (333)

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<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2767

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tagtgagcta aatctcaagt tccaagggtta tgctataagt aagagaaaaa gcactttatc 120

## 2198

aagaaatata gtactggcaa atatacatta caaattatca ctattttgaa ttttcctact 180  
gagtgttttaa catttgatga gtgaaagaga aacaggtata atcaacaatt atatggtaaa 240  
tcttagtgaa gccctttttg ntatactttt caggagccag gaataggaaa ggctgcataa 300  
cagactttca caagtccagg tgtttttaat ccngtgcttt tcaacaaaac tgaggcatta 360  
ccncatttgg gttaacagct gttnggtctt ccggaaattn gnccggtga 409

<210> 2768

<211> 417

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

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<222> (369)

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<220>

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<222> (381)

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<222> (393)

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<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

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## 2199

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ttaattaact ggaacttacc attcattctg ctttgctaaa ttactacgct actgcttagt 120  
ggatttttct aataaccatta taaatgcttt ggaattctcc tgcccctaga aaagataaat 180  
tgatctggaa tctcttatag tttgtttgtg cctgtatgtg ggaagttctg ggatgacctt 240  
tggactgtat caacgtngat tataatcgag gantataaaa ttacagctga ggggggaaaa 300  
gtgggttact cctggtagga tccatcttgg atggccttca gggaggacag aattcaccaa 360  
attaacttng agtctagttt nagggattta ttnaggccgt ngttaggggg ggtaacn 417

<210> 2769  
<211> 292  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (181)  
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<220>  
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<220>  
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<220>  
<221> misc feature  
<222> (270)  
<223> n equals a,t,g, or c

<220>  
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<222> (281)  
<223> n equals a,t,g, or c

<220>  
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<222> (285)  
<223> n equals a,t,g, or c

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## 2200

tgaaatctct tcattttttc aattagcaat aattcaaaaa attaaaaatt ctctgcaggt 120  
caaacaaaac atatctgtga attaaatggt gaagtcattc atttgaaacc tctgcttggc 180  
ntgtttttct ccactgagtt tagccagctg agcagggttg gcacatacca taagggtngg 240  
aaaagggttg ttccaagagg tccngttggn gttgggggtcc ngccntaggc tt 292

<210> 2770

<211> 261

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

<223> n equals a,t,g, or c

<220>

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<222> (52)

<223> n equals a,t,g, or c

<220>

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<222> (131)

<223> n equals a,t,g, or c

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<222> (135)

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<220>

<221> misc feature

<222> (137)

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<222> (148)

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<220>

<221> misc feature

<222> (150)

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<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

## 2201

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<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

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aagttggcta agggctgggtg tatttggcag ggctctatac ttatacattg tcactttttt 120  
ttttttgggg ncagngnaag ccccatntn ttntangaaa aaaagccagg aaggaaagga 180  
aangaaaang aaantttttt cccacatctg gctctgttaa gctgngagag attgggcccc 240  
cccgTTTTTT tcccanagcc t 261

<210> 2771  
<211> 362  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (5)  
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<220>  
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## 2202

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<220>  
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<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
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<222> (27)  
<223> n equals a,t,g, or c

<220>  
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<222> (34)  
<223> n equals a,t,g, or c

<220>  
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<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
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<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>

## 2203

<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<400> 2771  
cagtngngta nttcaangaa gatngtntcc taancacaaa gantgngcat ganggccagg 60

## 2204

taggccatca	ttnccttagg	nncaatnggc	cntttcattg	aagcagtttt	aaaacaagaa	120
ggatgagtac	gtatacatTT	tataaaatcc	attctgctaa	cagtgtacaa	aacaaagnga	180
cctcagatta	gatgcagggg	gtcccattaa	atggctattg	gtgtaaccca	gggcaaaaaa	240
ttgtggtagt	ttggancaga	attatgggca	gtagatttgg	agagactggn	ntagagtttg	300
ggaggaccag	aaagtaaaat	ggncagnaat	atctttaaat	ttactgnaaa	tttacttggg	360
tt						362

<210> 2772

<211> 374

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$ 

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (307)$ 

<223> n equals a,t,g, or c

 $\langle 220 \rangle$ 

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

 $\langle 220 \rangle$ 

<221> misc feature

 $\langle 222 \rangle \quad (341)$ 

<223> n equals a,t,g, or c

<220>

<221> misc feature

$\langle 222 \rangle$  (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

 $\langle 222 \rangle \quad (370)$ 

<223> n equals a,t,g, or c

<400> 2772

ggcagcagcc	taaacaagac	tcttccatca	aaagattcca	tatatcccat	ttatccagct	60
gactcccttg	ttgtgagccc	agatctacca	ttgcaattct	ctgattatag	tttggaattcc	120
taggctctct	atggaagaaa	aatggctctct	ggtgattgtg	tacttcacta	taaattgtga	180
agttaagtgt	tacggtttat	acatcagtn	ctgttacatt	gattaatgtg	agtctactac	240
tacagatgca	ttgcattgga	aaagccaggg	gatctggaat	ccataggaca	gggagccaaa	300
atatagnnca	ggttatattt	gtgcaaggta	atggccattg	ntatggttcn	tcttagattt	360
gtttttgcan	tcct					374



## 2205

<210> 2773  
<211> 121  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<400> 2773  
ccantttcttt ggaacgagga ggtccccccg gaccgaggct naacaaggna agcccctggn 60  
gctncctgta aataagaatg tggttggcaa gatgcaaact gtgggatgga tccatcacct 120  
n 121

<210> 2774  
<211> 348  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (6)  
<223> n equals a,t,g, or c

<220>

## 2206

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<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
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<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
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<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2207

&lt;222&gt; (257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (271)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (318)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (329)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (336)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2774

```
ggcacnnggga aaantaaggc acacataaaa ncaatagatg ntacacacag aattttaagc 60
agcanatttta tcttactaat tatgtattgc agaggccact attntaaagt ctttnantcc 120
tctcacacac acacctacta actatagaga caggtaacct agnaagcctg ctnaaagggt 180
atagtgaagc cacctgggct gttttnaaaa ccattcacia acaatatgga atgtttgtgt 240
ctgacaatcg gttgggntac cccttgaccc ngtggaaccc tgccagtgc tggggttccc 300
cgtgaaagca ggctcagngg aaggaattnt actttncaga agttttatt 348
```

&lt;210&gt; 2775

&lt;211&gt; 458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (192)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (310)

&lt;223&gt; n equals a,t,g, or c

2208

<220>  
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 <222> (347)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (390)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (392)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (403)  
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<220>  
 <221> misc feature  
 <222> (427)  
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<220>  
 <221> misc feature  
 <222> (449)  
 <223> n equals a,t,g, or c

<400> 2775  
 ggagaggtac tcttttttct tagccatagt ggaatgggtg tncataggca ttccctggcc 60  
 cagccttacc tgcttaggat gctggactaa aagaggcagg ttttgcacca agaaagaagg 120  
 ctgttgagaa gaggggaatt gtcgcagatt ttattgtctt tttacttaac agatatcttc 180  
 tctccatatt tnccctccaa tttaaataac atttattgga cacttcttac aaggttcact 240  
 tagactaacg tttttttaaat accgagggag aaaaatgtgt tccatgctca agcgtaggag 300  
 ttggtagggn ttgttttaaa atgaaggctc gttatgtggg tgggatntaa taagggacct 360  
 tacaccggtg gtacttgggc atcatttaan gngacctttt ttnatgaggg cttttgaggg 420  
 aatttttnatg tgaaagggcc cattttttnc ccccaggg 458

<210> 2776  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (12)  
 <223> n equals a,t,g, or c

<220>

## 2209

<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<400> 2776  
cctcccgttt antatcanga ctagacgaac ttaagcggan aactccncag atgcgcatag 60  
gccactttta gccatgtaaa ottangatta agttcacaag tncaactttt gnttttaccn 120  
gtccagtatc tcttttaggac acaaagcagt gntggagtta at 162

<210> 2777  
<211> 333  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

## 2210

<222> (31)  
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<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)

## 2211

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<400> 2777

```
ggcagagcct gcctggccac acctgcttgc ncatggcntt ggttgcccag ctgaggcact 60
tgcngncagc tactggcata gctcttttnt nagaatatcc atcctcacag agagcttctg 120
taggagttgt gaactgaatt acaactcaaa actctggaaa taaatgcaaa atgcaactga 180
aggattctga aaaagtnaag caacagcagg tcagattggg tagggaagtc aaaatttgaa 240
gaccaacagg tatggctgan ttanctgtt ttgtatccac ctttcttaaa cctccngggn 300
ttttaactt ttttanggt ttagttcccc ggg 333
```

<210> 2778

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

## 2212

<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (202)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<400> 2778  
ntggcgtnct tttctcaggt aatggaagtg ggcagagaat nancctttcc ctaggctcca 60  
gtgtgtaaga nttaaagaaa gaggaaagaa acacaatggc ttgatggctg aggacagggtt 120  
tattntaaag aaaacaaacc caagantggc ttctggctga nttagatcag aggcatgccc 180  
tcttacagac taagagtttt tnaaggattc aggggtgggag antttatcag aggcttggac 240  
ctgnttctnt g 251

<210> 2779  
<211> 63  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c



## 2213

<220>  
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<222> (60)  
<223> n equals a,t,g, or c

<400> 2779  
tagaagcccg aaaggngcct ttaaaaagcc tttttaaatc cacagggcaa gaagggnctn 60  
taa 63

<210> 2780  
<211> 495  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (320)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
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<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2214

&lt;222&gt; (376)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (400)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (462)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (486)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (492)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2780

```

gagccactgt acccagcctc ctttgtttct ttttaaagt naggtatcaa agcccaacca 60
acccttctcc actgcctcaa taattaagag cacagaaaca gatgtcctga gtttgaatat 120
gaaccatgac atcttttagct atttnntctt tgatatgaat tcccatacct ataagaatag 180
tgtttacctc aagggatttt atgagaatta ttttaggttt aattttattg atgaggcctt 240
tacaagaaaa gaaactcttt tgtatttggc tgatgtttcg gttcagttta gaattcagca 300
gaattttctt taattttgtt aaagtncaat acgtattagt gttaangctt ggtacgtgta 360
ttaccccata tggtnntagt ttaggactta cataacagtn tactggcatt tatataagtg 420
tgaagcagct tacatgatca ggttattaat tggggagtcc ancatnattg tccaataggg 480
aaaagncatc gnaaa                                         495

```

&lt;210&gt; 2781

&lt;211&gt; 114

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (26)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2215

<222> (69)  
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<220>  
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<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<400> 2781  
agggtgcaaa ggccccgagg aagganttgc ttgatttttt caaacaatag ccaggaggcc 60  
agggtggctnc agtnagtnaa ggagaggaga tnttgaaggg aataacgggg cggg 114

<210> 2782  
<211> 398  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

## 2216

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

## 2217

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (391)  
<223> n equals a,t,g, or c

<220>

## 2218

<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<400> 2782  
ttgcaggctg tccnacctgg cctgcaagcn tacaagcagg cncgtttana tgaagctgca 60  
gaggagtngg ggggctgctc cacccccagc caagggctct ntcgnnncca agnaggccga 120  
ggntggggnt gcnacggcag ggcccagccg ggaacagctc aaggttgacc tggatgattt 180  
ggtggccgct nagtgtttgt actgtgggga gctnatgac cgctctatcg accggccggt 240  
natcgacccc aagcgttacg aggtnggagn agctcatttg gntgtaggag ggtnttnacc 300  
ttttaatggg ggggtggcaa tggggagcat ggattaaaac ccattgaaaa aggctgcctn 360  
ctaagttctt actcaataaa cttgcaantt nncacacn 398

<210> 2783  
<211> 112  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<400> 2783  
gcggcacgag ggggggcccc gtacccaatt cgnccctatan tgagtcentat tacaattcac 60  
tggccgctcgt tttaacaagt cntgactggg aaaaccagg ggtcgcctna ca 112

## 2219

<210> 2784  
<211> 438  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (122)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

## 2220

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (256)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>



## 2221

<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (323)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (329)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2222

&lt;222&gt; (406)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2784

```
gtcgtggccc acaggaaaag atcctacagg gaatggatcc tgatgatatt tggcagctgt 60
cctccaaatc ttaaaaaggt ttgaatgaan aaattacacc tttgaaagct gaccttccat 120
cnagttgggg aaaaacaaaa gcaagcaagc ngggaaagcc cgaanttccc caaaagttcc 180
cattggcnta aatttttttt tgaaccacna gttggggaaa nccnggggttc attnggantg 240
ccntnttnaa ccctgnaaaa nttttccnng gnttccnatt gaanaagttc ttttggccct 300
ttaaaaaaan gaaaaaaatt tanaatttna nccccanttt cctnaaaaaa ttttnccccc 360
ccctttcncc cccctgggaa atcttttggtt taaaatttaa tttggncctt tgggggggggt 420
ttgggggggaa aaaattttt                                     438
```

&lt;210&gt; 2785

&lt;211&gt; 72

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2785

```
gcggcncgag cggcacnagg gggggcccgg tacccanttc gccctataat gantcgtatt 60
acaattcact gg                                             72
```

&lt;210&gt; 2786

&lt;211&gt; 417

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

## 2223

<220>  
 <221> misc feature  
 <222> (231)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (254)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (270)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (340)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (360)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (363)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (396)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (413)  
 <223> n equals a,t,g, or c

<400> 2786  
 gcctctattc ccgctctttg cttaatgcat cctancaggg gttgggaaca tgggtggtggg 60  
 tatggctgga gctcacacca cgaagctctt ggggcctgat ccttctggtg acacttcact 120  
 tgtcccattg gttaacatct ggggtgggtct attacttact gtgatgactg ctgtctcagt 180  
 gggcatgggtg ttgatccacg gggttactgt gataaccacc atggatacat nttggtggcc 240  
 cactgggtac tgtnaggact ggctacattn aatggatgtt attggctaata cactgcatg 300  
 gtttgatggc caccatctcc gttggggcct ttgggttttn atgggtgaat agcatttcana 360  
 ttnacatctt cctttttggcc cccccccaat aaggtnngctg ttgccactt ccntttt 417

<210> 2787

## 2224

<211> 508  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2225

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (457)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (466)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (469)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (471)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2787

```

gtgatttttg aatcagaaca caagcaccat actgaaggac tagcagccaa ataactgcct 60
agggatactg atggttgtga anactgtttc aaatgattgg atctttggaa agcttcagcg 120
tgccttagtt tctaggatca gaattanttt tcctctcact tgggccttgc agctaaatgg 180
agaaatgttt caatttcctt gaatacttgg cacatttcaa taantccttt cccgagttat 240
aaccactcna ggggggagca aatttgggat gggatttacg actttcacan ggcattgtga 300
gggaaaganc atttttccca aaggcntgtt ttttgaatta cccctnggg gtgaatanaa 360
caattgnaac ccttccccac actttacctt ttgaacaatt ttcacaattg cacctgggta 420
cttcataat ttccccctc ccaaaattcc gtttccntat ccnggnttnc nggccccatc 480
cccgggggaa atcctaaagg aaaaataa 508

```

&lt;210&gt; 2788

&lt;211&gt; 154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2226

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (77)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (84)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (92)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (111)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2788

```
gcggcnn gat gtgaactgcc tcaagagtgg gtgggctgaa gatctnggat ctctcaccgc 60
tatttggaac acngacnadc ctanccttgc cntagttgga ctatctttat nctttcatac 120
ctccccccgc cctcttggca cttcggcaaaa actg                               154
```

&lt;210&gt; 2789

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

## 2227

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<400> 2789

tcgatttccc tccacnagtg ggaganatnn cgggagctcc acagaggtgg ngcggttcgnt 60  
ctagnactag ggacatcccc ngggtgtgac gcgaatatc 99

<210> 2790

<211> 116

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

## 2228

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<400> 2790  
ggggcagcag ggcacgaggg ggggcccggg acccaattcg ccctatagtg agtcgtatta 60  
caattcactg gccgtcggtt tacaacgtcg tgactgggaa acccaaaagn nngngn 116

<210> 2791  
<211> 117  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



## 2229

<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<400> 2791  
gcggcacnat ggcacgacgg ggggcccggg acccaattcg ccctanagtg antcgtatta 60  
caattcactg gccgtcgtn tacaacgtcg tgactgggat naccanttc ttccctc 117

<210> 2792  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (378)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

2230

&lt;400&gt; 2792

```
gctgtctcct gtattccatt tcttgtctct tcttggtcca ttccctcatt tttgtggtgt 60
taactccctg atagtttcct gagaaagctt gcatgagtgg taaatgtttt agactttgca 120
tatctgaaaa tgtctttatg ttccctcat acttgattag taatttgagt aaagaatctg 180
gttggaataa atttttctat agaattgtac ttgcctcca ttttacttca ctttccatt 240
tccagtgttt tgctgtttgg gtaaaactga ttccattcca atttcctaata cccttggnca 300
naactgcttt taccctgaa aaaactttca aggtntcctt cccctttat ncctgggaat 360
tccctgaaaa ttccctnat aatcctgccc ttggatgggt ttttctttt tncntgcc 418
```

&lt;210&gt; 2793

&lt;211&gt; 217

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (8)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (94)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (128)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2231

<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

<400> 2793  
gtcagctntt tattgaattc ttaatatatg ctaggcattg tgcttcnttg cttctactac 60  
atcttctngt ttgatcccta tagcaacctt gtangaaatt tggntgccan agattttaag 120  
tgacttcngc gttacacagt tactaaattg ccaagctcgg anttctctgg gacagggaaa 180  
tctggangaa aaccntaac ttggattctg aatatchn 217

<210> 2794  
<211> 240  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (232)  
<223> n equals a,t,g, or c

<220>

## 2232

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<400> 2794

```
gggaaagcta atgcttctga aaaattgggt gtggtaagag aattcatttt ctttcattgt 60
cataaagctg atttctaatt ttattagata ttacattatg aaaatttact tttaggtatt 120
tttgggtatt ttgattaaat tgacatagct gtgataaaaa aagcaataaa tggacaagtt 180
gtattgataa ttatttgctt catnctgac tatnattgtn aacctgtaca tncaattnac 240
```

<210> 2795

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<400> 2795

```
gaatagccag tagttattaa ccactgtctg tttcaaatga aggaagcaca actcagtcag 60
gtagcactgg aattagaggt taaaacatcc ttgggatcgt tgggactctg tcttctgtgt 120
ttctcaagcc tgcttgggtt ccctttgctt cattctcagt ggtgaatact tgttctctaa 180
gtggtggcaa gatgggctcc agcagctact ggtgtccatg ctccctcaag cttgtgaacc 240
agaatccctc catcaccaca tttccagtct cttggtggga ctggatttgg actgttttat 300
```

## 2233

atgtgtgtct gctcttgac caatcctgta tgggtgccat gatatttcat gcaagtctgg 360  
gtctgtnttc cattttccat gaanccccc tnnngaata atttatttt tacaaattcn 420  
caaattccct ggctcna 437

<210> 2796

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<400> 2796

gcttgccctcc acaaactgga acctctgaac ttcagcagtt gttcctatca gtaggggttat 60

## 2234

tgtgagacct aaaatgtaat tgaagttttt gcatgtgacc ctgcccttaa ttcagttgct 120  
ttaaaaaacgt ttgaacatag tagaaaaatgt aacagtgttg ctcttagtgt ttctcatata 180  
tagggaataa aagaangt tttataatag cacttgcttc acaagattta tgagcgattt 240  
gaattttaca gatctattcc taagcaaaag accttaagtc tttttttttt tnccttaaaa 300  
aaaantaaca attactttcc gttctgttgt atcgtgcctt ccaaaaanat ttgcgctgcn 360  
caaataatgg gttgggttna accctaaatt acncaattct cctnctgaa ttggt 415

<210> 2797

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

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2235

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## 2236

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<220>



## 2237

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2238

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (433)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (436)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (447)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2797

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ttgngggnat	tcctcataat	nttanaganc	cttcanaana	ggnaaagacc	ttttcccttg	120
ggccaaccca	agggccnaaa	annaanaagg	naaaaaaaaa	ctttgggttc	ccaaattccc	180
anngnaaagg	atttggnaaa	aaccaanaaa	aggncccaan	agccgccttt	aaccaacgg	240
naaaaatttg	gggggggaag	caaaagacaa	ttttntttct	tggggcaaaa	attccnccaa	300
ttccttggn	accaaaaaaaaa	ggnggggctt	aaaattnatt	tccttaagga	accttcctta	360
ccaaanaggn	aaatttttaa	anaaccacat	atTTTTTacc	anagngaaaa	aaaaaanacc	420
angccccttg	gtncanaaaa	aagttgngg				449

&lt;210&gt; 2798

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (4)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (60)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (70)

## 2239

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<220>

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<220>

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<220>

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<220>

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<220>

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<222> (143)

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<220>

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## 2240

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## 2241

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aatcattntn tccttantnc tgactatect agntccengg ttntgccctt tgtcctgaan 120  
caactcaaca accaaanact aancttaatn acgtaggcac tcttcagaac gntccagng 180  
naaaattagn aaaaccgggc ctgaaactta ttcentggcc cggccnatca atccctnagn 240  
tccctgcaaa cgacccctcc necatcgccc tnaacgacna tccctttntt accattagac 300

## 2242

aaggacggga aggggtccaaa acggannccc cttcccccttt tacccaatnn aagattcaga 360  
tntggggggcc acccaaattg gggtancttg gaaannctta ccggaagggtt acacccgaac 420  
ttaccgggcg aggacttaaa atctttc 447

<210> 2799

<211> 124

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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<222> (41)

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<220>

<221> misc feature

<222> (52)

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<220>

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<222> (72)

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<220>

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<222> (103)

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<220>

<221> misc feature

<222> (118)

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ggaaagttct anatcacttt cttatacaag catgtggaaa gtntaaggat acaatccnaa 120  
tata 124

<210> 2800

<211> 193

## 2243

<212> DNA  
<213> Homo sapiens

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (150)  
<223> n equals a,t,g, or c

<220>  
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<222> (152)

2244

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<400> 2800

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cggnttaaaaa gcccttgcnt tgggggttcc caaccttggg cccgaaaaac cggggccccct 120

ttggnnttant ttttnaaggg ccggcgggtn anaatttcca anggaatttc naaaaccttg 180

gnccgcaaaa gcc 193

<210> 2801

<211> 103

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

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<222> (50)

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<220>

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<222> (81)

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<220>

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<222> (84)



## 2245

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<400> 2801

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agtgtggggc aagttaacct tcctttacca aaattcnaag gcccacagcn aagttaagg 60
ccgcccggtc cgggttaagg nttnaaaacc aagggcccca agt 103
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<210> 2802

<211> 443

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (50)

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<222> (345)

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<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 2802

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gaaacttagt ggcttccctc ccaccttttc acccaaaggc gaaatcgca tgagatttgc 120
gaccgcgggc tcacccagtg ttagaaatct cgtctctgc tacccttggc gccttgggtgc 180
tgtttttctg acgggtcattt agaccgtgga ggggttagatg ttctctacaa aaacgagaaa 240
cctctctggt tttttaggat ttagaggaccg aaattatttt atggctcggc gggaagtagt 300
atttcttggc taatttatta ttagctttta accttcaccc acttnacctt ttaaaccctg 360
catgcctctg ctattgactg gtcttgccaa cgaaaagctt acgcattgca natacagtat 420
ttgcttctga gtggatcttg aaa 443
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<210> 2803

<211> 448

<212> DNA

<213> Homo sapiens

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<222> (2)

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## 2246

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>

## 2247

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<220>  
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<222> (139)  
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<220>  
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<220>  
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<222> (227)  
<223> n equals a,t,g, or c

<220>  
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## 2248

&lt;222&gt; (248)

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (269)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (309)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (365)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (384)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2803

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aaccttgga ccaaagncct tccccaat tttaaaaaac ccanggaatt gggtttcccca 120
attcccaang naaattggna acccanaagg naaaaaaaag ngggccttgg gcccttgggt 180
ttaacccttg ggaaaaagg tttatannag agcccaaaaan aaccanaat ttaaccctt 240
gggaaaantt ggccttcctt gggttaagnc cccttaaaaa acttcccaa aaaccantcc 300
ccttccttnc ccaataattg gggaatccca ccttggggct tggggacaaa aaactggcac 360
ccaantttgg ctggccttcc aatntttatt accttccaat tttttccact tgggtgtcca 420
agggtgggta cttttggggc ttcgtttg 448
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&lt;210&gt; 2804

&lt;211&gt; 445

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

## 2249

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<220>

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<220>

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<222> (58)

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<222> (97)

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<222> (103)

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<222> (116)

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## 2250

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<220>  
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<222> (152)  
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<220>  
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<220>  
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<220>  
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<220>  
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## 2251

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<220>  
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<220>  
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<222> (292)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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ttggaaaacc cttggggcgcn canattagna ttattanggt tancccgnc aaagngggg 120  
aaaaagcatt gnaaanaaaa attttattaa ancccanag ggccaattaa aattaattan 180  
ggccacaagg ggaacttnaa accccccct taattaacc cttttccttg gcnanttana 240  
atttggaatt ttaaaacctt aagcnaaaaa attnanacct tttttggcca anagggggaa 300  
gaaagacccc aaaagggcct ttaaagngaa ccccccccg gaaaaaacc caggaaccgn 360  
aaggcttaac cccttaaagg gaaaccaggc ctttaaaaaa aggaaggcca ccaaccccc 420  
ggttccttaa ttgggttaag gccaa 445

<210> 2805  
<211> 453  
<212> DNA  
<213> Homo sapiens

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<220>

## 2252

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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
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<222> (81)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature



## 2253

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<220>  
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<222> (156)  
<223> n equals a,t,g, or c

<220>  
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<222> (159)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<220>  
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2254

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<220>

<221> misc feature

<222> (255)

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<220>

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<222> (264)

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<220>

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<222> (279)

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<220>

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<222> (312)

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<220>

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<222> (317)

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<220>

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<222> (337)

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<222> (350)

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<222> (375)

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<220>

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<222> (393)

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## 2255

<220>

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<222> (446)

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<400> 2805

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tccttccgng gggccccccg naagcnaaaa aggnaacccc ttnccccctt nttnttgtct 120
tccccccacg gggggccttt ttntttaaaag aagggnntna aattaccnaa accccccaaa 180
ccctttgaan naanaaggaa tttccccttc ccccccaang nggggggggg gccc aanccc 240
ccaaattttt tggnnaaaaa aaanttcccc cctttgggna aggatttgca aattgggttt 300
ggccaaaggc cnttggnaat tnccaacaag gcaacnntg ggggaaagg n aacccaaaaa 360
agcttggggg ggaanacccc aaggccggaa aangcccaa cccggccttt ggcctttgga 420
aaccaattgg gccttcctaa ccaatncatc ccc 453
```

<210> 2806

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

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<220>

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<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

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<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

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## 2256

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ctatcatatt tncaacttgg gtcccggtnc gatnttttca ccaaaccgct ccggttgtaa 120  
cttgggggga aanacccc 139

&lt;210&gt; 2807

&lt;211&gt; 113

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (15)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (72)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2807

taccaaagga ccttngncaa aaaaaggggg gctttcctta anaaaaacca anaaaatttg 60  
ggaaattaag gntttttaat tttaaccaa ttccggggtt ccccttccn ttg 113

&lt;210&gt; 2808

&lt;211&gt; 141

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

2257

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<220>  
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<220>  
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<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<400> 2808  
naaaagggga ccccnttag ggaaaaaact ggagctccac cgcggtggcg gcogetctac 60  
aactaactgg atcccccgga ctgcnggaan actgcacgag gnagctgagt ggtatgtgtg 120  
gtcgnctgtc cgcgnaaaac c 141

<210> 2809  
<211> 75  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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## 2258

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<220>

<221> misc feature

<222> (22)

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<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<400> 2809

agncgcgnag tggggctcgg gnagnaggta gtggcacgcc gctggccagg atggtgctgg 60  
agagcgtggc ccgta 75

<210> 2810

<211> 450

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

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<220>

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<222> (78)

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<220>

<221> misc feature

<222> (91)

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<220>

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<222> (107)

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2259

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<220>  
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<220>

## 2260

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<220>

<221> misc feature

<222> (305)

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<220>

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<222> (403)

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<220>

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<222> (409)

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<400> 2810

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cccctctgta acanaatnaa tttcctggat ncatcccat atcccntta nagnaaccac 120
cgngaatttt cctgnggggg gcccagnngn aagagttaaa gnatgtctaa tcctggaaca 180
aaagnctttt cctgnggggtg gttcaaacc actttggcca atcatgtttg ggtccagatg 240
gctggggccc ctggcctggg gggtcttatt aggaaattgn agccttcctt ttgntcntgg 300
aacgnctcct tgtttgcca tcccccttt cttccaatca agcctttggt agccaagtac 360
ctgggggaac ctggcatccc tgggtgggaaa aggatgggga ggnaacagna tggacatctt 420
ccaagttcaa gcttcgttaa tataacctga                                450
```

<210> 2811

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (25)

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<220>

<221> misc feature

<222> (29)

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<220>

<221> misc feature



2261

<222> (32)  
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<220>  
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<222> (39)  
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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## 2262

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<222> (142)

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<222> (145)

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<220>

<221> misc feature

<222> (154)

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<220>

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<222> (164)

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<222> (167)

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<220>

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<222> (170)

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<220>

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<222> (183)

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<220>

<221> misc feature

<222> (187)

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<220>

<221> misc feature

<222> (197)

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2263

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<220>  
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2264

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<220>  
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<222> (336)  
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<220>  
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nggggaaaaa gnaaccctct ntntnccttt tccctcaagg gtttaaaang gtttggnttc 120  
ccaaaaaggg ttttaaccca anggnaaatt tggnccttt ccnttnttn tttggggaaa 180  
ccntttnttt aaatttnggn aaaattnggn gggggggggg gttttttnaa atttgggntt 240  
ttcccccccc caaanggntt ttaaanaaga aaaccccccc cccaaanttt tttngggggg 300  
gaaaaaaaag gnttttccca aaaaaaaatt ttgggncccn aatttttttt ttaaaaaatt 360  
taaaaccccc ccccccttt gggaaaacct ttggggggga aacccaaacc cccaaaccca 420  
aagggccctt ttttaaag 438

<210> 2812  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (2)  
<223> n equals a,t,g, or c

<220>  
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<222> (27)  
<223> n equals a,t,g, or c

<220>  
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<222> (37)  
<223> n equals a,t,g, or c

<220>  
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<220>

## 2265

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<220>  
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<222> (103)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (274)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (356)  
<223> n equals a,t,g, or c

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ctttgaagan cacataccaa gaacatcaag agaactcnat atnaattcaa tataaaaagct 120  
acnattcaag gccattatc tcttttgagt tagaaaagcc caatggagag ccactcacgc 180  
aaatcaatac cctttccttc tctcagttgg gagccagaca tctctaacta tcctctgaat 240  
taaactggat ttttnaaatg tttttctgtc cctnaactct ttggatcctg aagtcacct 300  
ttctttgttc catcaatctn gctccataat accattactc caacttgntt gaacanttat 360

## 2266

tgggcatatg

370

&lt;210&gt; 2813

&lt;211&gt; 54

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2813

gggtttttttt tttttttttg natttgaaaa atgcaatatt ttccccngnt ttnt

54

&lt;210&gt; 2814

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (36)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2267

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<220>  
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<222> (96)  
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<400> 2814  
tgctcgtagc tncctctat taanggaaca aatgcnggct nctccaccga aagtggcggc 60  
cgttctagaa ctagtggatc ccccgggctg cagganttc 99

<210> 2815  
<211> 545  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (186)  
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<220>  
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<222> (319)  
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<220>  
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<222> (320)  
<223> n equals a,t,g, or c

<220>  
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<222> (321)  
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<220>  
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<222> (327)  
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<220>  
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<222> (331)  
<223> n equals a,t,g, or c

<220>  
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<222> (419)

2268

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (438)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (452)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (463)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (476)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (504)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (518)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (538)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2815

```

gctcctctag gctgaaatta cctggagaag catcacagca ggtactctct gttccaggaa 60
acagaaggta gccagattg tttgagaact gctgacatcc acagatcctc acagttaggt 120
taaaaattgt tgaaaaggca ctacttgag aatgtgctgt gtttctgctg catgtgtgat 180
cagaangcag ctgcagctta tgaaccagaa aaataggggt agtggctaag taaaagggtgt 240
gtggagcaac cacaaaatga ttcaggggta tacttctccc aaaggacggt aaaattaaat 300
cgagaacaaa atcaaactnn naagaanaaa naagtatctc cagtacatat tgtgggatca 360
cagctacaaa agcattagat ggtaaaatta tcttttcctg ctttttgtgt ttttaagatnt 420
ctccccgttc caatgttntt ggcctgggca cnggaattat acnctacaa ttacanctga 480
aaaattctgg ttatcactca tggnccttgac atgcaaance tccttttcac atattgantg 540
ctaatt                                         545

```

&lt;210&gt; 2816

&lt;211&gt; 118



## 2269

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (36)  
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<220>  
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<220>  
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<220>  
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<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

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ggccgttcta gaactagtgg atcccccggg ctgcaggaat tcgncacgag ttnnatc 118

<210> 2817  
<211> 351  
<212> DNA  
<213> Homo sapiens

## 2270

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<400> 2817

```
gccagatttg gtcccaaagg atacgactgt tagcaaaaac caaatttacc tgctaaagga 60
tgagctatatt aaaaggaatg tgtcacttgc tgtgtaactg cattccaaca aggagttaca 120
taaattgtttt gagacagcag catcttttga gtaagtgcc a gcctccaga ggaaccctgg 180
taaagggaag cagtgggtctc atttggatat gcaggttctt gcatttttgt tataaaatct 240
actctccttt gaagttacct cttgtattgt aatctctata ntaatccatt ctgtatttca 300
gacataaatt ctctttttct gggccatcct tcctatctgt gttcacaat c 351
```

<210> 2818

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2271

<222> (130)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<400> 2818  
tgcgcgttng cgtnnctect taccaaagga acaaattcgg ctccctccacc gaaagtggcg 60  
gcennttctag aactagtggg tcccccgggc tgcaggagtt cccacgagc agcaaaaaca 120  
cnaacnaaggn tctgtntttg cagaggggtc tatcatgctt ttaagaaata agaagagtac 180  
cgganagaaa ttcnatnatg acattagagt attttggatn tcnttaaact ttgtccat 238

<210> 2819  
<211> 113  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2272

<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<400> 2819  
gcggcacgag cggcagcagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60  
acaattcact ggccgtcgtt ttacaacgctc gtgactggga ancccaaacn nnn 113

<210> 2820  
<211> 132  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

## 2273

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<400> 2820  
nttccccacc aacagaagga actattaant tcaatgtttg ggaaacagcc cgggcaagga 60  
agaaattccc gggggaatga naaaatggta ttatttccca accccatntn ccntccta at 120  
gtttgaantt ac 132

<210> 2821  
<211> 106  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 2821  
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacnt cgtnactggg aaacccaaag annnat 106

<210> 2822

## 2274

<211> 132  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<400> 2822  
tgntnttaac tcgtanggca aagtaactca ctggtggggc gctctaaata gtggatccgg 60  
gggctgcagg attcggcacg agctcntgcc canctccgtt anatacnacc acctgcttcc 120  
tccttgcnat cc 132

<210> 2823  
<211> 101

## 2275

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<400> 2823  
gctcgtgccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgctcg 60  
ttttacaacg tcgtgactgg gaaaaacccc aanngnnaat n 101

<210> 2824  
<211> 70  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

## 2276

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<400> 2824  
gctcgtgccg aattcggcac gaggtttttt tttttttttt tngggnccttt atttgntnaa 60  
ataacnctaa 70

<210> 2825  
<211> 102  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<400> 2825  
cctattcata naccgggact tnggtgctca taactgcntg gtggacatag atctctnctg 60  
tgaaaatata tcnacttttg agtgaccagg tcatgttctt ga 102

<210> 2826  
<211> 308



2277

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)

## 2278

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<400> 2826

```
gctggatggt gctactgnca acagtnagtg ttcnnggtga ctgctactgc tgtgcaatgc 60
tnagcgccac atnccatggg accacgtgtc ctttaataaa catattcagn gtgcgcttat 120
ngaactcatg gcttctaaag cacaangant atgtttcaaa catagtgtga tctctnanca 180
ccatttggtta gcctccatct gctcagtggtg attcctacca agctcactta tgaccggatt 240
atattnaaaa aagcttccac ctgaaactta cctganactt tctcttctct gtttataaat 300
cctaaatc                                     308
```

<210> 2827

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<400> 2827

```
gagtattaat actgtgctgc attagagaag cctcttccat gtgggaaagc tgcttgcaat 60
ttcagtttct tgtgtgtatg cctatgtaac tgagtgttta aaatttcttc aaaaactatc 120
aaaacagaag cacacagaag tacacctatt aggcgaggat atcggttggtc taatcatcta 180
tcctgggact ctgagaaatg agatggaagc tggtaatgan gatggaatgc aaatttgatg 240
ctttttaaca tttttcacca catttcccaa acttcttgac cctacttctg tttttaatgc 300
atggcacaaat cttgaaccc                                     319
```

<210> 2828

<211> 113

<212> DNA

## 2279

<213> Homo sapiens

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<400> 2828

gcggcacgag cggcacgagg ggggggcccgg tacccaattc gccctatagt gagtcgtatt 60  
acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaancaaann nnc 113

<210> 2829

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

## 2280

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (227)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<400> 2829  
gcaccaccgt gcggacacca cccctgcaga atcatctgtg aaaacaaccc cangcccaga 60  
catanggggcc aactaagctt cgtagccctc gaaatacngg gagtgcccc tctggaccct 120  
cgagcccaca gtccatccac cacanagggtg tctgtgtctc atcagatagt tctaccaag 180  
aaaatgctgt gtgaacccat ctgtgtggca aaccggcacg gggaganagc tgacttccaa 240  
ngacgtctac canctgtcac ttngaaacca gaactgggct ctn 283

<210> 2830  
<211> 101  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

## 2281

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<400> 2830  
gggggtnttt ctancaacta gtggatcccn cgggctggat gaatgcggnc cgagttatgg 60  
ganagttcct catccgctc cttgctcgcc ggagccgcca c 101

<210> 2831  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<400> 2831  
gctgggtgtgg aggcagttgg gagctgtggt cctttggtcc ccagactccc cctgaatctg 60  
ctgtctgcgc gtccattgat gtcccttgc tatgccatgt gctttcacia gccgttctg 120  
ctgcctgcag tgcccttttt ttccattctgg agcctgacga gcttctgact gtagactctg 180  
tcatttcctt caggatgcct gccccatgtc cttgcagttt ngtcttctct gtgctccctt 240  
aacccttagc aaatatcact agaataggat ttgtttttta aatggcgaaa gcctacttac 300  
ttaactgtat taattcagtc ttccagtata cacttattta ttttttaagc tcttataacc 360  
aggggcttag agagatgttt cagtaaagaa actaggaaat tagtagttag gtcnctata 419

<210> 2832  
<211> 159

## 2282

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<400> 2832  
caatttctntn ccttgtttac gtaaattttg aaagattgca tgatttcttg acanaaatcg 60  
atcttgatgc tgtggaagta gtttgaggaa catcctatga nttntcttaa aatgtataaa 120  
ggttgtnncc cctccatcctt caaataaaaa aatgaccnc 159

<210> 2833  
<211> 130  
<212> DNA

2283

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2833

```
tcttgtcgaa tgcncctana cttaaaggga acaaaagctg gctcctccac cgenagtggc 60
ggntnctcta gaactagtgg atcccccgga ctgcaggaat tcgncncgag ccatcttcca 120
gtaattcgcc                                     130
```

&lt;210&gt; 2834

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

## 2284

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<400> 2834  
gtaaatntaa tgggggggttg gatttgaatt tngtanaaan gggtttgggg gncgcncccc 60  
caaaaaaatc nttttttttc tcggagttan tgggatcnc 99

<210> 2835  
<211> 326  
<212> DNA  
<213> Homo sapiens

<220>



2285

<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<400> 2835  
ggagcaccct gggtcacctgg gggttgtggt tagagtgtccc tccagccaag cctgcagccc 60

## 2286

```
agaccgagct agactggaag gggtagaagg gcattcaggt agggacacag cctgggcaaa 120
ggggccctga nctttggcag ctgcgggaag atgagcccac ctgaaaggga agctgcattg 180
aatncagtca ngacctgggc tgtagggtc acctctanac agcatnacnc aaagggttng 240
gggggtctcc tncggcctt aataaaaggc caaaattttc caccgttcca gaaatncggg 300
ttgcnccttt aattggaaac caccce                                     326
```

<210> 2836

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 2836

```
gcggcacgag ggggggcccc gtaccaatt cgcctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttaaacgt cgtgactggg aancncaaaa annn                      104
```

<210> 2837

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

## 2287

<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (281)  
<223> n equals a,t,g, or c

<400> 2837  
gtttttctttt cttttctcca actgcttgat aatgccttgc cctatgggtg ggcccagaag 60  
cacagcaagt tctggggctc atttttgagc caattcttgg tagaagggtg gggcatccca 120  
gttcttaaaa ggatttccta tgcaganatt gtcattgtca tcctcaccac cagaagacca 180  
gcattgatta ttttatcctc ctttttgcaa atgttccatc ttggaccaca ntgattttac 240  
aaaganaact taaaaaangc ttgaaatccc aaacttcttn ntttcacaaa aactaa 296

<210> 2838  
<211> 96  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<400> 2838  
gcggcacgag gggggggcccgt gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgctcgt tttacaacgt cgtgactgac cnnaaa 96

<210> 2839

2288

<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<400> 2839  
ggatggatgg attttaatcc agttttcata atgatacaat gggttgattg cagcattttg 60  
atgtggggaa tataaagata ttataaagga agatttattt tttaaattaca atttttgaaa 120  
gttataatag attctgtagt acattcaatt gtcattaacc actgggtttc ctctgtaata 180  
tttgtctatc aaatgatcaa ttttcaattc agatgaatta tcaagaatac atttttttta 240  
aaaacatcna aaactataaa aaataaattt cttgaaaaca ttgcatcctt gtttcntatt 300  
aaaccntngg cttaataaat aaaaagtgan attggcca 338

<210> 2840  
<211> 303  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (215)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

2289

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<400> 2840  
gttcactcac gcatacacat atttgaagaa aatactcaga tccttcctta atgaacatag 60  
ttccaagtat gtcaatacta gatatcactg gccacagagt ttgggacat agtttgtaat 120  
ccttaattca tgtagagta tctgagttta ttcattctgag tgaatttaga aactttactt 180  
tgaagctgaa ttttcattat attcaggcgg ttgtngaatt tttttctgaa agtctaattt 240  
nnttcttaat tntgaaaata ccaatagtgt cttctataaa tgcacttata aaatattgta 300  
cnc 303

<210> 2841  
<211> 98  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<400> 2841  
gcggcacgag ggggggcccc gtaccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttacaacgt cgtgactgac cnnnaaaa 98

<210> 2842  
<211> 60  
<212> DNA

## 2290

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 2842

gctcgagttt tttttttttt tttggggggt ccaaaaatttt atnancnttt tnnaaaaaaaa 60

<210> 2843

<211> 360

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

## 2291

<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<400> 2843  
gttttagtat cttgatgctc ctgtcaaaag ggaaatgagg cttttaaaaa taaagtacct 60  
taattcttta ttgacttttt gccctaaatt gctaggtgtg acccagcaat cttttaggaa 120  
gagattttac agtggtgctt tatTTtatatc aataatccag tatagttagg ctgttcattc 180  
ctcataatag antacataac agaaaattgg actttcacat ttTcatattt agccttccca 240  
tttaatccca aaatctctgt attctcatct naaaaacgat cccattcca attatggtnc 300  
caacccctt ggtntaanat taaattacct ttattanttt tcttaaacad ttggaatttg 360

<210> 2844  
<211> 176  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

## 2292

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (160)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (175)  
<223> n equals a,t,g, or c

<400> 2844  
nccggctcgag gctggaanag gatcttgggc gccgccagtc tttaacacca attggtgtaa 60  
ganttgaaga cctacttcac agtagttctg tggacaatca caatgggaan ccaaggaagg 120  
gtctgtctctg tttcgggctg ctgcncgctn tggctgtctn ctgccattca ggtcnt 176

<210> 2845  
<211> 111  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c



## 2293

<400> 2845  
gcgggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tgcccgctcgt tttaacaact cgtgactggg aaaccaaact tncnccnn c 111

<210> 2846  
<211> 272  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<400> 2846  
gggnaatctg gggttttgta aagcacgtta gtacagattt gaaatttaag ataacgtgac 60  
tatcctggac agagggtgtc cagagcagat actgcattac catattactg gtgttaacag 120  
tattcacctt ncttaatggg aagcctaccg gatattttct taagttgcct ttataaagca 180  
acttaatgtg atcagttctt ccgaatgggtg atcagttatt ttaaatatct tctttgatnt 240  
ntgccccttt ncccttntgc ccnnggaaaa ca 272

## 2294

<210> 2847  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<400> 2847  
cccccccccct tttttttggg aaaattcncc tatccgnccc cccccccctt tttntttccc 60  
gnaaaaaanaa aatttttttaa naacccccgc ctccccna 99

<210> 2848  
<211> 540  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

## 2295

<222> (93)  
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<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (282)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)

2296

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

2297

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
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<222> (437)  
<223> n equals a,t,g, or c

<220>  
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<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (495)  
<223> n equals a,t,g, or c

<400> 2848  
gcagcaactt ggaggcatat cctgtggtat aattgtgtag atgggggtcc ttgtgactgc 60  
caaacgcctg agatctgtcc ccactccagt gantttccca gggcgagggc gcctgtcaag 120  
gcgagaaaga aaagcangcn atggtganaa agttatgaga ggtangaaag aagatactga 180  
aacactgaag gtggaacccg tttggacaca gtnnaaggaa agcctcagaa ttagcatgan 240

## 2298

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ggaaaaggaa aagaaacgaa tttccagaat tgttttgcat tnccttttgg ttaaggcncc 300
agggaatngc cattgaaaaa cccccctna aaaaaantnc tttaaaaagg gcnccccccc 360
attccccctc tgggcccccc ttttccccnc ncccntaaaa aagtttnatt ttnnttcccc 420
cgnaaaataa acctganaaa atttccccctn naaccnnggg agggcccttt aaattttcca 480
atttaatttt nggnnaaaat acctttttga ataccceaaa acctttttaa aaaaaaaaaa 540

```

&lt;210&gt; 2849

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (311)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (326)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (344)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (371)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2849

```

gtggagctcc aagcggaaac cgcgggagcc gagcccagct aggaatgcag acctcctgaa 60
aaccaagccg aggactgcgg ggtccggtgt ccacgcanag tgtcagcttc ctctggtgca 120
accagcaagt cttccagtat gaatcccaca gaaaccaagt ctttacacag gggaaaggaa 180
aggaatgaga aattaatttt attaatggaa accttcgctg aaaaaaacct tctctgaaaa 240
aatgttaaac acaaaactgga aatatctgct taggacctta gaatgctgta aaaacagaa 300
ctganaagaa ntcacagtcc accaantgtg ctgtggttca tganaaaaaa atcccagaaa 360
ggaaagccca nagaac                                     376

```

&lt;210&gt; 2850

## 2299

<211> 76  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<400> 2850  
gttttaaataa atgcntctnt attanatacc cccnatttaa tatataangg actgaatttt 60  
tgcctattat gtgccc 76

<210> 2851  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)

## 2300

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<400> 2851

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ggggggggccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgtcg 60
ttttacaacg tcgtgactgg gaaacccaaa annnntntt 99
```

<210> 2852

<211> 118

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 2852

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gcggcacgag gggggggcccgtgtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tgggccgctgt tttacaacgt cgtgactggg taaaacccaa ntnntctttt nttncccc 118
```

<210> 2853



## 2301

<211> 100  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<400> 2853  
gcggcagcag ggggggcccgtacccaatt cggcctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg ancccnaaaa 100

<210> 2854  
<211> 50  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<400> 2854  
ggaaagcgtc caactgcttc natatnaacc tgtaacatnt cctgccnagc 50

<210> 2855  
<211> 132  
<212> DNA  
<213> Homo sapiens

## 2302

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<400> 2855  
taacctcact aaaggaacaa aactgaactt ccaccgcggt ggcngggccg tcntaaaatt 60  
attggatncc ccngggctgc aaggaattcc ggaacaacca aaaatggcgg aagttcaagt 120  
tctgggttgc nt 132

<210> 2856  
<211> 130  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
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<222> (122)  
<223> n equals a,t,g, or c

<220>

## 2303

<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<400> 2856  
gcggcacgag ggggggcccg gtaccaatt cggcctatag tgagtcgtat tacaattcac 60  
tgccgctcgt ttacaacgt cgtgactggg aaaacccaaa cnttttcatt cccctntat 120  
cntccnacnc . 130

<210> 2857  
<211> 631  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2304

<222> (350)  
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<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

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<400> 2857  
tcacgcgggg gcgtctanan tatggatccc ggctgcagat tcggacgagc aacaatgact 60  
aatcaactaa cctcaaaaca aatgataacc atacacaaca ctaaaaggga cgaaacctga 120

## 2305

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atctcttttat tactaagtta tccctttaaa tcantttttt aatttggccc aacaaactta 180
aaaccctccc tccgggggaaa ttccctggg cccttccaac ttccaatttt ttaaccaacc 240
caaaacccca acccccacaa acctttattt cttttatttt aaaaaccct ttaaagnccc 300
caattgnngg ggcccaattc cccccccct ttttaanttt gaaaaaccgn gggggggggg 360
ccccaanttt ttgaaatttt tattttgggg gggttttttt cccggccttt ccttataaaag 420
aaaattttta aaaaaaaant ttgccccct taaagcccc ccaccttttc ctttttaaan 480
ccaaccanna ngggggaaca acccctttac ccccccccc ttttattccc ccccataact 540
tanttttatt taattcgaaa aaaccattta agccntactt ccatttccaa acccaattaa 600
gcccttngg cggtaacgcc cttaaccgcc t 631
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<210> 2858

<211> 207

<212> DNA

<213> Homo sapiens

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<220>

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<222> (37)

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<220>

## 2306

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<220>  
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actgttgacag aactgttcga actcctaatt caatgtnacc tngnttttaa tcgcagcaac 120  
cctctccct accccttgnc cgcccacgtt tttctcactc ttccggggtg tgnaaataac 180  
tctccancc nntggtcctt tccacaa 207

<210> 2859  
<211> 105  
<212> DNA  
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<220>  
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## 2307

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<220>  
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tngncttctc ancggcacgg tggaaaggcc nagctcttct aaatg 105

<210> 2860  
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<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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2308

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<222> (141)

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<222> (159)

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<222> (164)

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<222> (187)

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<220>

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<222> (196)

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<220>

<221> misc feature

<222> (197)

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## 2309

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<220>  
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<223> n equals a,t,g, or c

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<220>  
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ggctgcngga attcggcacg agcggaacga acaagccttt gttatgaatt ttantcatta 120  
cattncaaag tgaaattttc ntncatgatt ctattggcng ttananntag aatntcagtt 180  
actgtantgc tcacannggn ttcttgana acatctgccc gtataactaag tcccnctct 240  
gctgcctaga aaactgaccg ggtctcacc ctcgtgaaaa tcttggtgnt ctacgaagtc 300  
n 301

<210> 2861  
<211> 159  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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## 2310

<222> (30)  
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<220>  
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<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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ggggggggcc gcttgggggg ccgggggggn ccggcatnan aattaaaaga aaaaacntta 60  
aagtttgggg ggaaattctc tcccccccg gggggggctt gggcaaagg gggaaaantt 120  
tcccgggggc naaacggnaa agggngggaa aaaatccnt 159

<210> 2862  
<211> 115  
<212> DNA

## 2311

<213> Homo sapiens

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<220>

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<222> (54)

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<220>

<221> misc feature

<222> (62)

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<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

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<400> 2862

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tnggctcagg aattaatggg gctcttncta cggctgtatg caagggcntc tcgct 115

<210> 2863

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

## 2312

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<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (159)  
<223> n equals a,t,g, or c

<220>  
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<400> 2863  
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tctanaataa tggatcccc gggctgcagg aaattcggca cgagctaagg ctcaggggtct 120  
cacctctcag atnaaggctc tgagttcata nanccctgnt ggatctcctg gtttttttct 180  
gacan 185

<210> 2864  
<211> 105  
<212> DNA  
<213> Homo sapiens

## 2313

<220>  
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<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (88)  
<223> n equals a,t,g, or c

<400> 2864  
atcactcaaa naaattacaa naattttatc ganctctatc cctaaaactg gggtaagaag 60  
cccaaaaaggt tcaacaccan aatatatntt attatcaacc acaat 105

<210> 2865  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
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<220>  
<221> misc feature

## 2314

<222> (27)

<223> n equals a,t,g, or c

<220>

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<222> (32)

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<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

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<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 2865

ggggggggnt nattactcna attccgngcc gngggnggan ggaaagctgg actccaccgc 60  
cgtggcagcc gctctaaaac taatgnatcc cccgggctg 99

<210> 2866

<211> 121

<212> DNA

<213> Homo sapiens

<220>

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<222> (12)

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<220>

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<222> (20)

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<220>

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<222> (26)

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<220>

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<222> (35)

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## 2315

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<220>  
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<222> (117)  
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<220>  
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<222> (118)  
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<400> 2866  
cgcggtggcg gncgctctan aactantgga tccncgggc tgtatcaatt ctgcacgagc 60  
caacgtgcaa cttccctacg gatcntccct taatcccggc tcacccgata ccatccnnct 120  
c 121

<210> 2867  
<211> 405  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
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<222> (218)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

## 2316

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<220>  
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 <222> (327)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (367)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (391)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (395)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (396)  
 <223> n equals a,t,g, or c

<400> 2867  
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 ctaattacta ttactcacag atgaccaatg atnaacatta taccctTTTT attaataggc 120  
 gacaacctgg tanagctttc agagacattc ctgggggtttg agcattgggc tccatagcac 180  
 tgnaatacta caatatagaa cctttaacgg agctgttnaa gttctgaaac tttactttat 240  
 cagtaaaatt antatggtaa tgcatacttc agagttgtca tgactatgaa tgatngagta 300  
 tgaagtcccta gaatgttgtg ggacttnccc taaatTTTT cattttccct tctctcctat 360  
 tactaanggc atctactacc attgtgtgat naaannaaat gaaac 405

<210> 2868  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature



## 2317

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<220>  
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 <222> (308)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (331)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (360)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (391)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (398)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (417)  
 <223> n equals a,t,g, or c

<400> 2868  
 gattttttaag aaagacagg n aagcaaatta agtgaacctc attattgttg catctaactg 60  
 ccttgagaga gtttccaggc cattgcatag gggaacaggg aatcctcacg ggagcctgtt 120  
 ggatcccttg agttgaggga gatggagctt agagtctagg ggatataaag gtacctggga 180  
 atttgctggt cagagaggga gagagaggag agagctgcac agaaagcaaa ctccagagat 240  
 ttgcagaaga ttctcttggt agtnttcaac atagtatgca actaatgttc ataggggcat 300  
 cctacctnag gtttaggggg aactataccc naaaggatag aaggaatagt gccttgcacn 360  
 cccataggac tgaaagaaag tgactatttc ngcccgtnc a gactggaaaa aaatctncat 420  
 gattccct 428

<210> 2869  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<220>  
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## 2318

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<220>

<221> misc feature

<222> (14)

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<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (137)

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<222> (151)

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<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 2869

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gggggggtttt attnactcta atgccccctcc tttaatggaa aaaactggac tccccgcct 60
ggcggacgct ctagaatagt ggatcccccg ggctgcaggg aattcggcac gagcctgagc 120
tccctgtctc tccctcantgg acatcgtctg naaaccttg ngtggcaatc cctgacgcac 180
cnccgtgatg cccaaggaan ac 202
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<210> 2870

<211> 446

<212> DNA

2319

<213> Homo sapiens

<220>

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<222> (56)

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<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

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<222> (175)

<223> n equals a,t,g, or c

<220>

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<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

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<222> (307)

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<222> (340)

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<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

## 2320

<220>  
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<222> (393)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<400> 2870  
gattccaggg aagtgggtatg tggtagcctg gcaggaatgc aattctcaga gaaganaaga 60  
ccgcaaaaaga gtatgccnca tctatgactg aaagaagaca gagctacaat gtccctccgt 120  
cctgttttaga aaaagaatgt gactacggat cagattttgt ccagttgcca gccgngagtc 180  
acctgggcac ttagattacc tgattacgat tactcctccg attgtgacac aactacacac 240  
atntatgttt ctcaaaattc tcaacagatn ctcaaaccct ctcggaaca gactatcgac 300  
taagaantct cctcccattt ggctcctaaa cctcgctccn tcatcacatt tcacgtatnc 360  
cgttcccgtt ccncctaaac ntaggatgga acnccctgcc ctgnttcccg gccctaggcc 420  
cttttatatt cncgcaaaa aaaaac 446

<210> 2871  
<211> 252  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
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<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

## 2321

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<400> 2871  
gcttanagtc tggttgccaa acagatttgc agatcaagga ganccagagt ttcaaagaac 60  
gctagtaagt ctctgagatc cttgcactag ctacatcctc aggtagagaa gatgcttcca 120  
gaacatgcgg ctgctcctat tgcgagctgc ctggccaaaa cagatcctgg tgattctcat 180  
gagaccactg tgccnggatg ttacacacgt ccatgctatg tnctcggaac tgagacngtn 240  
gatchnaccat tc 252

<210> 2872  
<211> 116  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (4)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c .

## 2322

<220>  
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<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<400> 2872  
cggnangagt cgctctactt aatgtctatg atttgttcta tganntaaga agtnngatgg 60  
tcnaggagta acttgatgtg agcagtatca acctgtgtta gatatcatac tgttgn 116

<210> 2873  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (101)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (104)  
<223> n equals a,t,g, or c

<400> 2873  
gcggcagcag ggggggcccc gtaccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttaaacgt cgtgactggg acccnaaaa nnnn 104

<210> 2874  
<211> 330

## 2323

<212> DNA

<213> Homo sapiens

<220>

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<222> (107)

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<220>

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<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (289)

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<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

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<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<400> 2874

ttcggcacga gttcattctg agtactgtgg cagccctggg aagtttgtac acagaggata 60

ttgtcatttt ggaaagaccc ttggctgctt agtaagaagg cttcaanagg cagaaggaca 120

## 2324

gactacgaag ggctgcttca gagtccaatt aagaagagag nctgggcatc aaaagaaaga 180  
accggattgg tggctgtatc ttcatcccnc nttaagcag tggagatcct gaccagattc 240  
aaacacttgg cactatgaat cctctctcca aaaattaaac acagttatng ccntgtccnc 300  
ttatcccaac ttgagncagc gcnaccagtc 330

<210> 2875

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

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<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>



## 2325

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<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
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<222> (147)  
<223> n equals a,t,g, or c

<220>  
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<222> (165)  
<223> n equals a,t,g, or c

<220>  
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<222> (186)  
<223> n equals a,t,g, or c

<220>  
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<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

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gccagactac gctcttccgg tanaacgctc ccggcctgac anaccatgga gctgcactgg 60  
anccnttcac gtgntgttan ntgacacaat ngctctaaaac tgtctagtnt ataaacgtgc 120  
aanaatgtcc cacacaacac gcgttgnatt cttttgaatc atgtncgata atggatcagt 180  
atccancctg acccccnacc agaagcagta atgccagnct gattca 226

<210> 2876  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (8)  
<223> n equals a,t,g, or c

<220>

## 2326

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<220>  
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<222> (171)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
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<222> (255)  
<223> n equals a,t,g, or c

<220>  
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<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (332)  
<223> n equals a,t,g, or c

<220>  
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<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2327

<222> (360)  
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<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<400> 2876  
gttatganga accattgcac atttttttct gaaacagcca gtcaagcaga nattaatctc 60  
caatgcaagg ctgatctatt tatcattttg gaggtgggta ctttattctt cttcgtcacc 120  
ttttcatgtt cccccggatc tattagtttt attttttaga tactccatat nacatacgtt 180  
tatgcttttaa tacantgctt taaaaganat ggacattgtc tgctanaatt gatttagtct 240  
atanatatag aaatnatcac gggttattca aattttctana tcctgtgtcc attataagta 300  
ttaagcactg tcctgctatt tatatggata cngtcccaga gtccttcagn ccttaaagan 360  
tgatttttnc aatttgcatt cc 382

<210> 2877  
<211> 357  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (221)  
<223> n equals a,t,g, or c

## 2328

<220>  
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<220>  
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<222> (314)  
<223> n equals a,t,g, or c

<220>  
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<222> (316)  
<223> n equals a,t,g, or c

<220>  
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<222> (327)  
<223> n equals a,t,g, or c

<220>  
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<222> (352)  
<223> n equals a,t,g, or c

<220>  
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<222> (354)  
<223> n equals a,t,g, or c

<400> 2877  
gtttanctgt gtataataaaa aaaatggaaa ataatggtgg ctttgaagat cgtttctacc 60  
ccaggtaaaa naaacctgga ngtaagcagc ccgggggttg catgacagct tcagggtcat 120  
caagtccttg ttttctcttg acctattctt tgtcaaacct ggagtaagtc cttgtcctca 180  
gggtctaata cagctgccat gctccancta tcacattcca ngttagcaag anttgaagag 240  
aagaaaaagg tatgcctttc ctttttaaag gacagtgcct gacctaacac ttctattcca 300  
aaaatcactg ggcnanaacc ttaggcnttt ggccccagcc ctactgccaa ananatt 357

<210> 2878  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2329

<222> (13)  
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<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<400> 2878  
ggnggggtatg atncnccttc aattaacncc taaaggacaa aacggacccc cgcgnggggcc 60  
gctctaacta tggaccccggtctgcagaatt cggcacgagg ggn 103

<210> 2879  
<211> 104  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (10)  
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<220>  
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<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
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<222> (103)  
<223> n equals a,t,g, or c

## 2330

<220>  
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<222> (104)  
<223> n equals a,t,g, or c

<400> 2879  
gcggcacgan ggggggcccgtgtacccaatt cggcctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg atccccaaaa nnnn 104

<210> 2880  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
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<222> (70)  
<223> n equals a,t,g, or c

<220>

## 2331

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<220>  
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<220>  
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<222> (73)  
<223> n equals a,t,g, or c

<220>  
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<222> (75)  
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<220>  
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<222> (76)  
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<220>  
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<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
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<222> (123)  
<223> n equals a,t,g, or c

<220>  
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<222> (127)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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## 2332

<222> (142)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<400> 2880  
ggggcgccgg ctccaagccc cgggatgaga atcctnggct actntatcct cncetngaagc 60  
gnggctacnn nnnncnngagg aagtggggaa gggcngactt gggacctgng gtgtctgatg 120  
ttnaagngtg gtgatcactg tngnacatct gtactcctga aaatgtcagg aatcaganct 180  
cgtgactgta attgtcgctt cgttaccgac accngactct ctatcnagtc catctct 237

<210> 2881  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (19)  
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<220>  
<221> misc feature



## 2333

<222> (29)  
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<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
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<222> (45)  
<223> n equals a,t,g, or c

<220>  
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<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<400> 2881  
tggggncatc gtgctnttng gaaccaggnc cctaaaanaa taaantanac tcacccggtg 60  
ccgncctct aaactattgg atccccnggg ctcaagaat 99

<210> 2882  
<211> 253  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (4)  
<223> n equals a,t,g, or c

<220>  
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<222> (96)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

2334

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (218)  
<223> n equals a,t,g, or c

<220>  
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<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<400> 2882  
gaanatcgaa aggagaaaaa aagccgagat gtagtctcta agaaagagga acgtaagcgt 60  
acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120  
tattctttgga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180  
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtcctttn ctcctaccaa 240  
ggctattaac aat 253

<210> 2883  
<211> 102  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<220>  
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<222> (100)

## 2335

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<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 2883

gctagtctcg aggggggggcc cggtagcccaa ttcgccctat agtgagtcgt attacaattc 60  
actggccgtc gtttttaaacg tcgtgactgg aaccnaaann nn 102

<210> 2884

<211> 135

<212> DNA

<213> Homo sapiens

<220>

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<222> (9)

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<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

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<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

## 2336

<220>  
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<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<400> 2884  
ggggggggng ggttgatacn cgtcaattac ccntaaagga caaacggact cacggggggg 60  
cgctctagaa tatggacccc ggctgcagat tcgcagagcn ggagtagaga nancnctttn 120  
ccctgagtgcat catgt 135

<210> 2885  
<211> 101  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<400> 2885  
gcggcagcag gggggcccgg tacccaattc gccctatagt gagtcgtatt acaattcact 60  
ggcgcgtcgtt ttaaagctcg tgactgggcc cnaaantnnt t 101

<210> 2886  
<211> 255

2337

<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (101)  
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<220>  
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<222> (103)  
<223> n equals a,t,g, or c

<220>  
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<222> (107)  
<223> n equals a,t,g, or c

<220>  
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<222> (122)  
<223> n equals a,t,g, or c

<220>  
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<222> (124)

## 2338

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<220>

<221> misc feature

<222> (144)

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<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<400> 2886

tcncccaatt	ancaaaaann	tcaggctgtg	tnctcaggat	aaccgattgg	gaaacagcag	60
caccaggggtg	gcaaaaaccc	aaactcacct	cttggggattg	nancacnaaa	ttgcaatcaa	120
tnanttttccc	tgcggtattac	tgcntgagga	atttgcatta	ctgnctccnt	cggggggttcc	180
ccacgctcga	nactcatgtc	cgtgtagacc	cattctcata	tatcgcgcca	cgcggaac	240
tatatgtgnc	tcnca					255

<210> 2887

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2339

<222> (47)  
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<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<400> 2887  
gcggcagcag ccttgccccg gagaactcng gagataactg tcacganctc ctctgcactg 60  
gtccggaatc gtgaacagct gcgtctctcc ccaaaaaatc tacttgaagg tctggaaaaa 120  
ttctctccac taatacctgc tncatgaaaa aacgggttct cctcctcngc cnagcncccc 180  
tcnaaaataa ttt 193

<210> 2888  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2340

<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<400> 2888  
gaaaaaatcaa gcggctggaa gagaaagtct ccagagtcgg antgaggtgg aatataacccg 60  
ggaccaaact cagcaccact cgagcctgca aaccttcctg ggangacagc agccaatgcc 120  
ctccctggga atgctccac tgtgctgtga agaactgatt ttggtttttc accactctgg 180  
atcgaatatg ctcnctcca cctctcttga tncacctggg ttaactatta tactcatntt 240  
tctttttgtg ctctcaacca tntcaaataa tcnaacctcc c 281

<210> 2889  
<211> 273  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>



## 2341

<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (159)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<400> 2889  
gaaaatagat attcctcatt gagtaanaat aacctgatac caccagttca actcaaatat 60  
ttactgggca aatattattg cgagcgaaga aacncttacg nttatattct gaccattagg 120  
cacttacana gaaaacatac aactcttnaa tatttgacna actggaagac tcatacttct 180  
ggtgctaagt tgcaactgcg ccatcttttt ctagctgtcc gatccatcnt ttaattgaat 240  
ttaaggtgta tgttcgatac aaacntanan tcn 273

<210> 2890  
<211> 155  
<212> DNA  
<213> Homo sapiens

2342

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (80)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (86)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>

## 2343

<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<400> 2890  
gctcgtgccg antcggnacg agtntttattg tccactanat gctcgtntna attgaagata 60  
atagngattt tagaaaagan ttgaanggat gttgttttta caattangna agcacagaaa 120  
gacacaaacc ccagacatct agctctccac gtaca 155

<210> 2891  
<211> 216  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2344

<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<400> 2891  
gaaaacacta nngtgcttct ttaatatacc aaaattancc caanacttga cnaaattaag 50  
catncactgg gagcttaggg aaccaatcct tttagtgcc tattaatgag gtaaatatca 120  
cagcccatcc atcttaacaa agggatatnaa aatgacgatg tgcatgttnt gtgatgccac 180  
aaccctatnt atnagaatnt atactaaaga aaaaat 216

<210> 2892  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (220)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2345

&lt;222&gt; (377)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (378)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (394)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (404)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2892

ttgatacccc	ntcaattaac	ccctaaagga	caaactggac	tccccggggg	ggcgctctaa	60
atatggatcc	cccgggctgc	agaattcggc	acgacggcac	gaggcaagga	aaganaaaaa	120
ttataaccaa	gcataatata	gcaagactaa	cccctatacc	ttctgcataa	tgaattaact	180
agaataactt	gcaagagagc	aaagctaaga	ccccgaaacn	acgagctact	aagaacacta	240
aaagacacac	cgtctatgtg	caaatatggg	aagattatag	taagcacaac	tacgagctgt	300
gatactggtg	tcaagataat	ctattcactt	taattgcca	aacctcta	ccctgttatt	360
tangttgtcc	aagaganngt	cttgacctag	aanctgtta	aatnaaattg		410

&lt;210&gt; 2893

&lt;211&gt; 342

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (262)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (272)

&lt;223&gt; n equals a,t,g, or c

## 2346

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (329)  
<223> n equals a,t,g, or c

<400> 2893  
gggggggggg gggttgatac ccntcgant taaccctaa aggacaaacg gacccccgcg 60  
ggggccgctc taactatgga ccccgggctg cagaattcgg cacgagctca gactgggaag 120  
accaggcaca atgataaaca tactggctgt tgggtgaca atgaccaatt gagtgtgtga 180  
attggaagca agtagtgcaa gagtgaatat tggctgaaat tctagctatg gctatgattg 240  
acaagggaac cgatggaaat cnttgccatt antgatgacc tgatcaccna tttatgattc 300  
atantcaacg ctgaactgct ctaaactcnt gatgtttaag gt 342

<210> 2894  
<211> 280  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2347

<222> (69)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (129)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (133)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (149)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (210)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (231)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (245)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (261)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (276)  
 <223> n equals a,t,g, or c

<400> 2894  
 ntggcatcnc tgtgccatcg ttaccggttt ctggctctcta tgcgatncgt ggtctctngt 60  
 ctgctgatnc catctcggac tacgtgtata catcatcaac gaattgtgtt caactgctgg 120  
 gcttctggnc ctngactcca ctgccgggnc atgctgacga cccgggcatg ccaaagaatg 180  
 cactaagatc accagattac gttagctggn agtgttacat gcccaatctg ngctcagcca 240  
 cgaancacat gatttgtacg nctcgaaatg acacangtcc 280

<210> 2895

2348

<211> 158  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



## 2349

&lt;222&gt; (158)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2895

```
nctaaagaan annactggac tccccgcggg gcgcgcgtct anaatatgga tccccaggct 60
gcatgaattc gcacgagcat gctcgtggtc ccaataactc tgaagcgggt ggcattccna 120
cattgganct ggattaatta ccngtgtgta tntctttn                               158
```

&lt;210&gt; 2896

&lt;211&gt; 455

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (268)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (320)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (407)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (420)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (425)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (443)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2896

```
ggagaatagt aatgagtttg agtgggaagg taaatgtttc actgttttta atctgatctt 60
tattaatgta ctaagggatt ttgtttgaaa tacatcattc tttctaaagt tcatatattt 120
```

## 2350

gttactaaga taggaaattg tgctaaccct tgaatattct caaggactta aaaagtgtgt 180  
atagagtaca ccagtggctt ttttgccctc ttatttgccc actgctctca tgtttttttc 240  
atagctgttt caaaaaatat tcttgatnat tatggcatgc tctttttcag tcatcaatta 300  
aaacttttga aaaacatatn ttacatttgt gggaaggatt ctgaaaggag cattggggta 360  
cttttantag tgcctaattg cctcttgtga atgacactta attattnctt acccacttan 420  
ctatnttatc agattcttct gantctatca attcc 455

<210> 2897

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (239)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

## 2351

&lt;400&gt; 2897

```
ggagaaaaat atatcagaat ggggcatact tagaaaaatg attaatactg cccaggaata 60
caaaaaggag tcaaaatctt ataatatgtc acttttacat atttatcata gtagtttggt 120
ttgttttggt ttagatgatg caaaattgag gggccttgca gccccagta acctttctat 180
ggaatcagac tcttgaaggt catantggtg atccattcaa tttcttttaa gtccatgtnt 240
ggaatggtat ttangcattt aggaaattcc cctacttgat gccagaaaat gtccaccatt 300
tttaaattna tggggnaata tttaccaggt accagaatgc ncctttggaa tttaccaant 360
ggggan                                     366
```

&lt;210&gt; 2898

&lt;211&gt; 390

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (247)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (319)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (343)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (360)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (368)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2352

&lt;221&gt; misc feature

&lt;222&gt; (390)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2898

```
ncggcagcag ataacactga aaaaaataac ataaccatgg ctttccttgg agtatTTaaa 60
aatattcttt gtccatttac gatgaccgga aatttcacac catctgctgg acgtgaaatg 120
aaaccagaa agtgaaagg gaagagacga cggctgcag gcttcagggc ccagccgtgg 180
gccaggtcc atgtggctgc tgccttcctt ttccgtgctg tgcgtagcct cctcttctct 240
gaccggntac cccgcancct cctcctcatt ttccctccct acttttccca aggggggttct 300
ccacttttat tttgggatna acttttcctg gggggaaaat ttnggttggg gtttaccn 360
aaaaccanaa ggcacttttc cagccattgn 390
```

&lt;210&gt; 2899

&lt;211&gt; 423

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (194)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (211)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (219)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (222)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (316)

## 2353

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2899

```
gcttgagcct ttcctgctg gaatgccttt tcctgacaag ctgtagccct aaagtccttc 60
aaggcacaac tctgatgttg aactgcaagt ggatcatggg ataaactggg ttttacttta 120
atacataata gtattttctt ctcagttttt ccctttccta ctctcagatt cctttgttgt 180
aggtggggccc aaanaaggac ccaccccaact nttccnggna tnccaggggg aaaacccggg 240
ggtggggcgag gaaaaaatag gccaaatgat tgctgangaa aatcatggaa aatccacagg 300
ataagaaggt tcctcncctt cttacttttt ggctcccccnc ccattaaaac tcaaaaantt 360
ccccccccc cttaaatcct ctccncccg gggangnaaa aaaaaattt tagtggaggg 420
aat . 423
```

<210> 2900

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

## 2354

<220>  
<221> misc feature  
<222> (192)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (225)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (316)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (340)  
<223> n equals a,t,g, or c

## 2355

<220>  
<221> misc feature  
<222> (342)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (404)  
<223> n equals a,t,g, or c

<400> 2900  
aatttttgaag gctctctccg caagcctctc aattggaagt ccctggctgc cttgagcana 60  
atttccgtta atgtctctaa ggaacttatg ctgtgctatt tgattaaacc ctctactatg 120  
actgacaagg aaatggagtc accagaaatg tttgaaaagg attaaagtgc aggaggtgat 180  
tctgagtcna tnggtttctt cacgagagag gagtgancca agannaatct ttaacaattc 240  
nacctcgaaa tttctaattt caaccnaacc aaactatttt atttgaagag ggctanggtt 300  
caaaaaagtn cctttnttag tttgttaa at cctccccan tnaaattcca ataaagtttt 360  
ttttaaaagg ggcattgngtg gtcccccca gcaaccagn aaanaactta tcccgattgt 420  
ttt 423

<210> 2901  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>

## 2356

<221> misc feature  
<222> (321)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<400> 2901  
gttttcctgc acaaagcctt gcttttagag aatgcccaat aaggcaagaa aaagcatagt 60  
aacttgtgct ttgagagctc aatatttgta tcttatcagt acagaagaaa tattttctgtg 120  
taacttgatc ttctgtctag tacttgtcct ataggtaacc aacactgaaa actttgtagt 180  
gatgactacc aaagaaaata catagtaaaa caacctttta tttccaaatt gttaaagagc 240  
cagccattgg atgctgctac atganttcca tgctcaagan ccattgttag aaattaangg 300  
gtttctaagt ttttgggtga nttnt 325

<210> 2902  
<211> 312  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c



## 2357

<220>  
<221> misc feature  
<222> (288)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<400> 2902  
gttggtcttt aatacatgtg ttcctgttaa tattatgtcc aatcacaagt gcctgattgg 60  
ctggtctana anagttggag aagaaagata caggtcttgt ttaatatcca tttcatgttc 120  
agctctcaaa atattcatTT aaaagaatct ggaatgtaaa agtaggtgtc tattcatacc 180  
aaattcagaa ctntctccaaa attatatcca acccagtatt ttaaaattct ctgaaaaacc 240  
anaaataaat atctccnatt tgaaaaaatg aacttacgat ttcanggnnt ncagcattcc 300  
attagaaaat ac 312

<210> 2903  
<211> 538  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
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<222> (129)  
<223> n equals a,t,g, or c

<220>  
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<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2358

<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
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<222> (276)  
<223> n equals a,t,g, or c

<220>  
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<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (324)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (333)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<220>  
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<222> (378)

2359

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

## 2360

<220>  
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<222> (492)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (533)  
<223> n equals a,t,g, or c

<400> 2903  
gggactgctt cgtatcaatt cccattttat actctttag ttggaanaat angaatcaag 60  
cattgtccat cttgccaaag actgntgttt gtgattccag ttttcagtgg cttttcagca 120  
tcccatacang cagaanacca catttgtctt cantactccc ctccagctgg accgttaggt 180  
gtttgtttta cagtcccttc tccatacggg tttgggatgg ccctaaancca tccagttcct 240  
tgaacaacat tgtgcttgac acaanaattg aacatnaana tctccttggt gctancctgc 300  
actgcatcct tgtttaccaa attntccan ggncttnttg aacccccaaa aaagttttaa 360  
aattcccccc ctttttanaa aaaacaattt tttccnaaa attnccccct gttnaaaaaat 420  
nnaancccca nttttnnngg cccccaaaaa aatccaaaaa aaaaaacccc ccttnttttc 480  
cccccccggc anttttttn ttaaaagggg ggaaaaaatt cttctcccca atnttctt 538

<210> 2904  
<211> 367  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (228)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (329)  
<223> n equals a,t,g, or c

## 2361

<220>  
<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (364)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<400> 2904  
gcagtaatgt agtcatgcaa ttcagatttc aattgggatc ttacaaacaa actcattgtt 60  
ttgtgtttgt caaatatgaa tacattttatc aacttagtga aaaataactt gattttctgca 120  
tggaaaatat ccaaggttat atatcactat tccttttactc tagagaaggt catttagttt 180  
tatgtaaata tgtggcagat ctcagtttca gtgacttncg tgctccanct ttaaaaagtgt 240  
ttttgaatgc ttggaaggaa aatgtgatat tcanagagag caatatcttt ataagttaag 300  
tttccttgaa tgaatctatg ttgattacnt tgaataaagt tgaaatgccc agtttttttcc 360  
ccnncnc 367

<210> 2905  
<211> 55  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>

## 2362

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 2905

gctgganttt gcnctntctc nctgtcatgg ccatgattcg cggtaanaa gcaaa 55

<210> 2906

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 2906

gaaaaagtag ctgagatatt gatttctggc atgacagagt gaggagggtg atgaaacctc 60  
ttcccaaaaa aacagctaga aagctggaag aaaactgtca aaaacatcca tttcagctcc 120  
ctaaaaattg accaaatata tgcaataaat tgagacgcat ttgttcatga aaaactatta 180  
nnncttgggt tangaaccag aacaatcttt gggnttcctt gcctatcatc actccctt 238

<210> 2907

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

## 2363

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<400> 2907

gcggcacgag gggggggcccg gtaccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg aaacccaaaa nnnnn 105

<210> 2908

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

## 2364

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (377)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (378)  
<223> n equals a,t,g, or c

<400> 2908  
gctcgtgccg aattcggcac gagctttggc tccanacgga ttggactgcc tgttctagct 60  
cttctcagaa tatgacattt tcttggtcac ttctgtaact agcgtccgac cacacatgcc 120  
attctgtctt cagatncctg cagttagtgt gctttctccc tcgtttgaac cctgcagtgt 180  
ttagtttctg cctctcttat gacatgtact agtgttgtgg gctctgtgtt actctgagcc 240  
acattatcca gcgaataatg ttcacattta tcgctaaana aatttgcctc atgccgaaca 300  
ctccctcccc tcntgcccc cgccccggtg tttcctttag aaaaggcaag ggaantggcc 360  
tttactaatc cncaggnnag g 381

<210> 2909  
<211> 236  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (169)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (174)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



## 2365

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<400> 2909

```
gattaccttc atggatattg aaatgctcaa gaattatgcc agaagtagct attagagata 60
gagccagtga cttaggatat gaaatcttca gaggatggta gaaagagaaa ggtaaattgcc 120
ataagaaatt agagtacttg tggtcattga aaccatggaa ttactccng gggngtgttt 180
atntgagaaa tccaggttnc taaaattttg aaccctaact tttcttttaa ngggga      236
```

<210> 2910

<211> 63

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 2910

```
ggttcattta tgantgctgt gctttaacgg tgcctatnat aatcctcana tatcacnnag 60
tca                                                    63
```

<210> 2911

<211> 58

<212> DNA

2366

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (42)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2911

gaactagtct cgagtttttt tttttttttt aancntngga cntggatttg attgacnt 58

&lt;210&gt; 2912

&lt;211&gt; 472

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (3)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2367

<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (350)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (471)  
<223> n equals a,t,g, or c

<400> 2912  
atntcatatt gnttcagcag acanaatgta cttcccttaa ctttcattaa tagtgtttac 60  
atctttngtc agcacagcaa acttttagaa agtaatagtt ttacttattt ttatcttctg 120  
ttttctcttt gtactgcctt gtcttgcatg gtgttccaac acatgagact tactgctcac 180  
tgaatttttg agtcttttag aggtaaattg tggactcagg attttttgaa acttggtgtg 240  
taactctaaa tcttgatat gcactcttgt tgcttattac atatttacac acacaaccac 300  
aaatttttaa cttatgatga aaatttataa taacctgaaa agatccagan atttttgaga 360

## 2368

ncatttngta cttgttattc ngtttactaa atttgangtg aaatatttaa aagaaaagga 420  
cnttaggaaa tgaaatctcc ccttccaata tccttgaata antaaatgga ng 472

<210> 2913  
<211> 73  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals 'a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<400> 2913  
gtaaacacca taccnngcac taggcttaga ggaanaacat gtcagattgt nctgtcactg 60  
gcnatgtacc cag 73

<210> 2914  
<211> 108  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (37)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

## 2369

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (100)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<400> 2914  
ggggaactgc tcctccagga gactgctgat tttggcngga aactgctcct ccangantct 60  
cctggaggaa cagttccaac agtctcctgg aggaacaatn tcctgntg 108

<210> 2915  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>

## 2370

<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<400> 2915  
tacgcgcttt cgaaattaac cntcactaaa nggaacaaaa gctgganctc caccggggggg 60  
gggggcgggtt nnaaaatnat nggntccccg gggtngaag 99

<210> 2916  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)

## 2371

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<400> 2916

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gctcgtgccg aattcggcac gagtatctcc aggcattcag gcattcagag caacaggtcc 60
tctgaattac tggcctgagc tgcccaccct tcctgtgcag agattgtggt gttatggggg 120
ccctttgcac tccaagtcca gcnagatctc caaacacttg ctgcactaac tctcctgggt 180
ttangaattt aagctggccc tcatgccagt gcanaaaaac tngcggttag gggttttctc 240
aactccatgc nttnaa                                     256
```

<210> 2917

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2372

<222> (315)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
<221> misc feature  
<222> (472)



## 2373

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<220>

<221> misc feature

<222> (490)

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<220>

<221> misc feature

<222> (492)

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<220>

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<222> (496)

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<220>

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<222> (501)

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<222> (533)

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<220>

<221> misc feature

<222> (563)

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<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<400> 2917

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aactgatnna ttctatttga ccagaaatct acttttgtta acattataca taaaataata 120
aagcataagc acatgctaatt ctgaatcatt ttcaagaaaa tgtgtttaa atattattag 180
gtcatattaa atatttattt gtttanttta taaatcatga tgtcttaaaa taacattaca 240
tatgttcaaa aaataacctg gtagaaaaaa tattcttctc tcattacata taaatttgag 300
caaatttaac attgnanttt atgttagcta gtngactctn agatcagaaa gaaaaatnaa 360
aactaagtcc tgaatttttn aactatgggg aaaaattaat cttgattgtn actcacantg 420
ccaccctatc tctgttttgc tttgtcttcc cctcaaatna cnagaaatgc cnggaacca 480
```

## 2374

gactgcttcn cnatnnggcc ngatngtttc accttccgtg gttattaatt ccnccaaaat 540  
tgcaaaaatcc cattctggga atnaacctnt ctgcct 576

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<220>  
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<220>  
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## 2375

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<222> (355)

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<221> misc feature

<222> (367)

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<221> misc feature

<222> (431)

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<220>

<221> misc feature

<222> (468)

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<400> 2918

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tttgacaagt attatagtat attgatgggt atattaatgc aaagaatttn nntnggaatt 120
gtcctagaaa tatataagat aaagaccgta tgtctaatat gaaccagaac atcactgatg 180
aagtagagtg aaataacntt ttatttccat acatatctgt aactgagctc tctaataattc 240
tttagtgtct gtcaattatc agagaaaaat tttagaatgg tctttatttg actcattaaa 300
atatcctatc tttgaactgt tttaaanctg tttgaattgg tccaanatct nattnattga 360
aatttcnccc tattgtccca aaaacccccg tggtccttta acctttgggt ggaggtgaac 420
ccgtttttaa ntgacaaatg agtcttttga aggcaaacc caccaccnaa cc 472
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<211> 113

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

## 2376

<220>  
<221> misc feature  
<222> (110)  
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<220>  
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<222> (111)  
<223> n equals a,t,g, or c

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tggccgtcgt ttacaacgt cgtgactggg aaaacccaaa ttntngtncn ntc 113

<210> 2920  
<211> 531  
<212> DNA  
<213> Homo sapiens

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<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
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<222> (186)  
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<220>  
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<222> (189)  
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<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
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<222> (208)  
<223> n equals a,t,g, or c

<220>

2377

<221> misc feature  
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<220>  
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<222> (237)  
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<220>  
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<222> (240)  
<223> n equals a,t,g, or c

<220>  
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<222> (249)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (312)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
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2378

<222> (341)  
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<220>  
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<222> (355)  
<223> n equals a,t,g, or c

<220>  
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<222> (356)  
<223> n equals a,t,g, or c

<220>  
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<222> (362)  
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<222> (400)  
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<220>  
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<222> (401)

## 2379

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<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

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<220>

<221> misc feature

<222> (466)

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<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

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<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

## 2380

<220>  
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<222> (530)  
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gggacttggg ggacatatca aaagaaccaa catacacatt ttataagagt cccagtaggg 120  
gaaagaaaga gaaaaatgag aaanngaaat ttttgaaaaa attatgttga aattttccca 180  
attcanatna aaaaaacttga tcttcncncc caaaaanctt aatgaactgg ataaacnccn 240  
taaaatttnc cctaaaacct nttcccnttt ttttttaaan tctccaaaat naaaaatctt 300  
tttggaatat tngggggaaa aaacncccc ctttttgtgg nccccnaaa aaaannggt 360  
tnttttttta accacngggg gggggnggt ntttanaacn nccccnnaa aaaaaaaaaa 420  
ccnccccct tttttttaac cncccccccc aaaaaaaaaa aatttntntc cccaaancng 480  
gggggttncc ccaaaccgcc nttttttttt tttcccccaa attttttttn c 531

<210> 2921  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (310)  
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<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (368)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (420)  
<223> n equals a,t,g, or c



2381

&lt;400&gt; 2921

```
acagaaatct cattgacacct catctctaaa gcttggttta tcttaccaag cctacctacc 60
ctctctatac cttaggaagc taccactcat gtagtcaaca aagttaaaaa aaattgtcat 120
tgtcatcagt cttctctgaa cacgtttcat tgacaaccaa gcctgtctct gattttcatc 180
tctaaagtgt tcccttgaat atctctctct cttgttagtc ctatggctac tgatgacacct 240
tgccttctcc cactttgact ttgttttaaa gaaaaatttt gaaccaaata atataccagt 300
ttattttgan ccaattacat tccatgaatc cagggcacac tccnatnccc canaaatccc 360
gaaaaccncc gttccaacca ttatgggggg ggggggttca taggggggaaa gttggaaggn 420
gaa 423
```

&lt;210&gt; 2922

&lt;211&gt; 397

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (166)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (180)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (197)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (273)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (325)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (335)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

2382

<220>  
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<222> (362)  
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<220>  
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<222> (381)  
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gaacattagt gtaaggacaa tgggaagcca ttggcagggtt ttatggaaga tgggtgtttta 120  
aatagatgtt tctggaagtg taagggtggac aatggattaa agttanacac cacactgaan 180  
gcatggtgac tattttangca gctgttttagc agcagtctgg acaagggtatg atggttttctt 240  
ggactaaggt taaatccagg aaaaaaatga atngattgtg ttaccttgaa caatttactt 300  
ccccccctg aacctattta acttntttcc ttccngtttt ggcctacctn tcctaagaaa 360  
ancccggttt ttggccccc naaatttctt gccggcc 397

<210> 2923  
<211> 310  
<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (228)  
<223> n equals a,t,g, or c

<220>  
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<222> (253)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
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<222> (273)  
<223> n equals a,t,g, or c

<220>  
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## 2383

<222> (295)

<223> n equals a,t,g, or c

<400> 2923

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gcggcgcgca ccttccccgg cgcagtctct tgccagccgg cgatcacgca gagctgaacc 60
ccgcagctag gcgcgcagga agggctgcac agagtttgaa gacacggcag ctgtaagctg 120
gcgtgaggaa gccaaaggag cgcgcagact gcaagcaaag ggcggtgggg cctgggacct 180
gaattgagtg gncgaccgca gcactcaagg tgccatctgc ctggcctntg aagtgtgtcc 240
ctccaaactg aanaagctat gantcaaggg ttnggacttt atgggaaaaa aaaanaaatt 300
ttattaaaaa                                     310
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<210> 2924

<211> 159

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

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<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

## 2384

<220>  
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<220>  
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<222> (140)  
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gggnccccc ngtcnttgat aaactatttc caaagaacca gaatatgtcc tggtcattgga 60  
cattcaagcc agtacttncc gtaataccta actatggcaa gagtgtgnaga gagcaaatna 120  
ttctncctaa gaacgagatn ccatgcagga agccagagt 159

<210> 2925  
<211> 256  
<212> DNA  
<213> Homo sapiens

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (27)  
<223> n equals a,t,g, or c

<220>  
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<222> (33)  
<223> n equals a,t,g, or c

<220>  
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<222> (60)  
<223> n equals a,t,g, or c

<220>

2385

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<220>  
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<222> (69)  
<223> n equals a,t,g, or c

<220>  
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<222> (71)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
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<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
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<220>  
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## 2386

<222> (232)  
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<220>  
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<222> (240)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (249)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<400> 2925  
gagannctaa antacgaaaa gggtaacnagg aanatgtgcg cgtgtgttaa tcctacgtn 60  
acctcangnc nccannacna ctggnaattc tntatcttcc tacctccaat ctcgtaacca 120  
aaacaaaaca aangaccttt ctctattatc tcatanaata tccaatactg tccttgtgga 180  
atattcctaa attcactatg acttttaaca cacaaagggt caacattaaa gncgtataa 240  
aangtactng gnaccc 256

<210> 2926  
<211> 559  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
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<222> (50)  
<223> n equals a,t,g, or c

<220>

2387

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<220>  
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<222> (58)  
<223> n equals a,t,g, or c

<220>  
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<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (89)  
<223> n equals a,t,g, or c

<220>  
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<222> (107)  
<223> n equals a,t,g, or c

<220>  
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<222> (123)  
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<220>  
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2388

<222> (155)  
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<220>  
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<222> (182)  
<223> n equals a,t,g, or c

<220>  
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<222> (198)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (205)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
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<222> (214)  
<223> n equals a,t,g, or c

<220>  
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<222> (218)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)



2389

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (319)

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<222> (320)

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<220>

<221> misc feature

<222> (335)

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<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

## 2390

<220>  
 <221> misc feature  
 <222> (464)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (470)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (480)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (489)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (496)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (501)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (550)  
 <223> n equals a,t,g, or c

<400> 2926  
 ctcgtgccgc tcgtgccgan ttcggcacaa acggcacgag gaacaggtnn tnaatctntc 60  
 tttntgtgn aatactnctc ccgtntgtnt atcaacctgc aagctancac gatgtttgct 120  
 ttngtacagg tttatatcac agaccactgt acatncttgt cttccaaggg aacttcaaga 180  
 tngaattact tttgactnct cantntntat acantgtnta aaggtnntana acttcaactt 240  
 tctcnataat attcaactct tcaatnactc tnccatcact tctacttca atctgaattt 300  
 aaactaccgt aaagtctcnn aacttttcct tgaantacta ctaccaggt tcaacttttc 360  
 ttctttgtaa attggtaagg aataaatttt ttacgaacaa tttttcanaa gccttctttt 420  
 aaaggaacca atttactccn aattcttctt acnctgtccn taanaaattt ccaataactn 480  
 cctgtcaang tttttncctt naagccaagg gacaaaaaac aatccaaaat cctgaacaga 540  
 aaaaaaacn tctttttcc 559

<210> 2927  
 <211> 189  
 <212> DNA

## 2391

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<400> 2927

```
gcctacttaa aaggaccaa agttggggcc ccccgcggt aaaangacga tttttaacta 60
gtggatcccc cgggctgcag gaattcgggg ggacccccct ccctgaaaaa acagtangtg 120
tgtaaccncn aattaccaa tggctgcntg actgtatntc aaatttaatc ccacttagcc 180
actcaggat                                     189
```

<210> 2928

<211> 490

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

## 2392

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

## 2393

&lt;400&gt; 2928

```
gcaattacta gctatnaata tattactttt taattgtgta tcaaaacacc caagcactga 60
gttaatatat cctgtgcaaa tatactaaac ctacttagtc tatccaaata tgtaactgga 120
tacactacgt angtttcttc tactgaggaa atttgtcttt catatggtaa ctaggtatga 180
atatttgctg ttgaagcaag cttttcccaa tcttcaagtt gaagttttaa ttagcaaaca 240
atgtttacaa catgtaggcc aagtattaga attttcttgg ggtcactcat gatttatctc 300
catgctatat gtccccaaca aatagtctcc caagaatgga acanccaagg ccattggnca 360
tgtngcaagg tgcanaaacg ggctcancat cctctgaaat ttcgctttgt gaacatatnc 420
ctaacaaact ccaatcnggc catgnttttc ccttgaaact taaaccccca cctgttgcng 480
gggggtnact 490
```

&lt;210&gt; 2929

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (19)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (87)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (98)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2929

```
cctcttaaaa ggaaaaaant gggcccccg cggaagnngg cgctttttta ctagtggatc 60
ccccgggntg cagggaattc ggggngnccc cccctgcnt 99
```

2394

<210> 2930  
<211> 537  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (287)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (295)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (424)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (465)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (478)  
<223> n equals a,t,g, or c

<220>

## 2395

<221> misc feature  
<222> (484)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (524)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (537)  
<223> n equals a,t,g, or c

<400> 2930  
gaacatatattg ggcatttaac ttaaaaaattc taagtcacatgt tttcttttttc cactataaga 60  
ttgtactagg tgatataaaag ttcacatgtcac ttaaaaattca acgactgtgt aagtagctct 120  
ttcagctttt cattaaagttc attttttgga atgtgcacat ctatgccatc attgggcagt 180  
tataattttgg ggattttaaac acctggcagt gattgaccac tgtgactttg cttattccct 240  
ttctctcctc agttaccgag ctgataccca gacataccag ccttatnaca aagantggga 300  
ttaaagaaaa aatctacgtg ctccttccgt ccgcaggccc aacaagntgg ggaaattaat 360  
tgttttttgg aacacttggg ggggggtttgg ggttgggctt tnaaaaaaca agttttnttc 420  
aacntnctgt tatggaaatt ttgtttcata attatcccggt ttccnctttg ttataccnta 480  
ccanaatgac gtttaaataa attttagaac tgttcaaccg aaancccttn cccctn 537

<210> 2931  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<400> 2931

## 2396

```

gaaccnatta tagcagcttt atttttcctt tttaagatta catttcaagt ttctgaatct 60
agtcctaaag gtaattttct catatgaatg gtacatggtg attatatcaa ctgggctgta 120
gaaaatgggc actgatttct caactgtgtt gattctagat tggtaagtga catgctccaa 180
gtatagttga ctgcatttct gatcttgctt tgtttttatg ggaattaaac tcagaatagc 240
ccttcctaat aggtcctttc anaaatttgg tagaagagaa attggtgtgt taatcaacat 300
aagatttttag aatgcatttc tatttcaatt ttctctccta ctaatcctgt tactgtgggt 360
aataatcaat gtgttaataa tgaatatctg ttctttactc tgttccaggg taagacaaat 420
atatatggga ctctgccttt tgaaantact ttagaaat 458

```

<210> 2932

<211> 51

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 2932

```

gcggcacgaa cntnccccga gtctgtctct tgccanccgg aaatcacnch t 51

```

<210> 2933

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c



2397

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (423)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2933

```
gctcgtgccg aattcggcac gagcccaaat gaattgctgg acccagactg tgtgcacaga 60
tggctgaaac agtcagacct acacctagga gatgagatca ttcaggttca ccgtgacca 120
gccgcgctgg atggatctgg atgtgctact ctcacggttg tcatgaggta atatggatag 180
gctattaaga aagccgtgac gacgcactcc cctgagacac ggtctgcttg ttttgctgca 240
tgtagtaaac agctctctca ctagatctga cagcacttgg tggatgatatt cttttccctt 300
cagactgact gaagaagatt cagaagtact acagcattaa gccttttgct gttaggatgt 360
tataatttgt gtgttttggt gcataaagat naatttttgc catgttgctg ttaaaaactt 420
ctnaagaaaag gagatc 436
```

&lt;210&gt; 2934

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (6)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (68)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (86)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (167)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (181)

&lt;223&gt; n equals a,t,g, or c

## 2398

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<400> 2934  
gcggcncgag ggaatgtttg ataccattat gaacaaatga gctaattatt ttatgtttta 60  
ttgaaaantt atctgttgcc ttatgncatg ttgaaaattt tagagattag ttgaaaggga 120  
atnagaatga ttaaaagtgtt ggaaggctga atttatgaag aaaaatntta aaaaggcaaa 180  
ntctaatacat gatcttccaa taaaangtnt gtgggtttggt gggaaaggan cagttggga 239

<210> 2935  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

## 2399

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (99)  
<223> n equals a,t,g, or c

<400> 2935  
nccctnttaa aaggacaaaa gctggncccc caccgcggnna agcggccgct ttanaacta 60  
gtggatcccc cgggctgcag gaaattcggg gacgnncn 99

<210> 2936  
<211> 700  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2400

<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (464)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (511)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (546)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (550)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (666)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (677)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (692)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (696)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (697)

## 2401

<223> n equals a,t,g, or c

<400> 2936

```
gccccaaaccc actccacctt actaccagac aaccttagcc aaaccattta ccnaataaaa 60
gtataggcga nagaaattga nacctggcgc aatanatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgancta 240
ccttggaaca gcttaaagan cacaccctc tatgtggcag aatagtggga agatttatag 300
gttgaggcga caaacctacc gagcctgggt atagctgggt gtccaagata gaatcttagt 360
tcaactttga atttgccac agaaccctt aaatccctt gtaaatttaa ctgttagtcc 420
aaagangaac agctctttgg aactaggaa aaaaccttgt aganagagta aaaaatttaa 480
cacccatggg aggcctaaaa gcagccacca nttgagaaag cgttcaagct caacacccac 540
tacctnaaan atcccaaaca tattactgaa ctctcacac ccattggga ccaatctttc 600
accctataga aaaaacttat gtttgttata agttacattg aaaaacattt ctctcccg 660
attaancctt gcgtccnaag ggataggggg cncganncaa 700
```

<210> 2937

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<400> 2937

```
ggcgccctna ttanacggct ttccgcttct ttacaatggg gaanttcccc catccccaat 60
ttttttttct ncaaggggc ccaacctaac agtccccctt aa 102
```

<210> 2938

## 2402

<211> 664  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (279)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (553)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (554)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (631)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (635)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (648)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (653)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (661)  
<223> n equals a,t,g, or c

<400> 2938  
gatcccccctt actttcccct ttcccatcac gaccatctcc ccaattataa actgactaat 60

## 2403

```
ttcaaaacat tcaaatacact gtaaaaattg tttccttttta caatttttatt tcacaggtct 120
tccaagtgtg aaatattatc tcactaatag atgtattctc ataaaaattt ttacatgttt 180
gcatatacat gtacctgcat cttccaaatt aataacttga tttaaaaatt atcttcagaa 240
aatatcaaag ttcattggaaa ttaattaaat tttttgncna attgcaactt cagccctttg 300
acaaaaatat atagtaaatt cttatttagc agcagcattt aaatactaca acatttcaaa 360
aatcttcaaa gttccacctt acctgtaagg catgtggaaa cccaacttct ccagaaccag 420
acttagtggt caattatctt gaacctccaa ataagtcaac ctggaagcaa gacacaacat 480
atggaaccat ttgcagacca taccagcccc cagatacaat tatctcccac ttcaattgcc 540
ttccactgaa ggnnggtttt actaagaata aaatggttct cccttaagca ctggaaaaaa 600
acaatgtttc ctccaaaaaa aaaaaaaaaac ncaanggggg gcccggtnc atncccctaa 660
nttg
```

<210> 2939

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (248)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

2404

<220>  
<221> misc feature  
<222> (438)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (455)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (481)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (533)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (542)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (566)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (605)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (633)  
<223> n equals a,t,g, or c



## 2405

<220>  
<221> misc feature  
<222> (641)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (643)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (646)  
<223> n equals a,t,g, or c

<220>  
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ctaattttcc cccagtcngt gtctccaatn ttgtnttggt naaaacttga cttttgatta 480  
naaaacctac ttaataaatg attccacaaa ttttggaaaa aaaaagccgt tcnggaaact 540  
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2406

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 anatttcgtt tggatttcgt cttactcttt tctggaattc tgaaaattag tattaaagaa 240  
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 aaggagcacc ttttatatttg gctgtaatac atccagttna ggcatangga ttgctctacc 420  
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actcttaaca anctggaaaa ctttccatat tgtgttgatc actaattatc tctcttgctt 240
attngtnacc ttaatatata tctgcagatt ttctccataa accanacntc tgggatcatt 300
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2422

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2424

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&lt;220&gt;

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&lt;222&gt; (343)

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&lt;221&gt; misc feature

&lt;222&gt; (351)

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&lt;221&gt; misc feature

&lt;222&gt; (367)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (383)

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&lt;400&gt; 2947

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ttccattgct aataatccaa atagtttcna tctnctaagt attaaaggaa gacacttana 180
tctgatntct nattaccaac tgatctncaa aatgggtcagt atttagatng tctccctttc 240
tacctgcttt tcctttttaca anaaatnnag caaggaacaa gcatcatgat antgaaaatc 300
tattttcatca atatgttcat nttcaccttt catcttttcc atnacccttt ngaatatcgg 360
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&lt;210&gt; 2948

&lt;211&gt; 424

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (262)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

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2425

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atgtcttcct atggtatata ctattgtcag tttatagcaa tggtagcttt gacctatgaa 180  
tctcccaaaa tcaaactttg atcaaacttt aatacacgaa agttctccca aaccgttact 240  
tttatantga gaagttcatt antaaatttc tgtccttaaa gtttggcttt tttattaatt 300  
tgaaatgtat nctcaggata accatactaa atcattggga tntttgaaat tatntaaaaa 360  
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ccat 424

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2426

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## 2427

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 cctgttgaaa agttgtcctg ccctctgtca gctagacatg ccataagcaa gggaaagaat 180  
 gacttttaat gacaggggta gaaattggga gcaagaggct gaacacatgg aacagaattt 240  
 tttgaagtgc cttgttnaat ggaaagtaga tgtangaaaa tttgaaatgc tggatatttca 300  
 gatgggcccc ggcctatcac ctattattcc acctggagaa ggtagactta tattactcct 360  
 cctttttcca naaacagttt gtgtgtnaaa gccctaaagg gccacattcc cttgatccct 420  
 tttattaacc aaattgttct ttgcaacaag gtngggtnnt ggccacanaa ctccctttaa 480  
 nattggaacc tggaagccgg gaagtgttgc ttatttnntt tttccttttg ggctccttnc 540  
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2428

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## 2431

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2433

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## 2434

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 ggaatgtctg gttttgcctt gattcttttt ttttttttnaa ggatatttng ctgnatttaa 120  
 aatttntncc taanaacttt tccttttnacc cncctttaa at tcnccccan tgcncctgga 180  
 ttcccatnan tttgggtgca aattcncctt tnaatnattt tgggnccct tngtntaatt 240  
 nttncceccc ctncctttngg gctttttttt cctgggcctt ttntttttaa catttttnact 300  
 aaaacttttt tnggtttgna nctcnantt ttnaccnacc ttgggtttgt tttntttggt 360  
 tnnggttngt ttaaacncc cgganatatn ntttttttna naaaatttna aaaattttgg 420  
 gnccttattt cttaattcat ttttctgccc ctngnccntc ctttanaccc cttangcntt 480  
 tttgggtaaa ttcccnttcc ccnggtncgg ggccttttnt ttttccntc tttccccccc 540  
 ccttccccng tnttnttctt aaaatncccc aacccccaan gtttcccccc aaccnnggg 600  
 ntttttttcc caattttaa tccccccgg tccntgggt ccccaatttt ncccccttaa 660  
 aaaccttccc ggaanaaant ttctttataa naaaaccctt aaaaa 705

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## 2435

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<222> (407)

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<222> (432)

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<222> (445)

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gagataagcc agtatcatct tctttcaggt gcaagttttg aaactgcttt tgaatttgtc 120
tgaaaatcca gccatgacag aaggacttct ccgtgcccac gtaaatagct tatatatatta 180
ttttgtaaat atacacatat atacatttga acagacagac agatctggaa agattaagcc 240
taaaatgtta cagggattct ctctgangag cagtattaaa ggtgggtttt taaattcatt 300
ttgtatgtat gaatttccta aattttttgc aatgagcctc ttttactttt gaaaaacatt 360
tttaaaaatt cnccttagca caattaatta tacttttttc tctaccnatt ttgggttcaa 420
ttgtgcctcc cntattttat acttnaactg tttgntttta catgttttct nattt      475
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<211> 494

<212> DNA

<213> Homo sapiens

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## 2436

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<220>

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<222> (412)

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<222> (419)

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<400> 2952

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cagaatctgt ccatgacaaa cacaaaactg aagagctggt ttcaaagaaa aaagattatt 120
tcacttaatt attttggttg ataattgtct agttagaact tccaaaaaga tacttacaaa 180
cataattcac aaatttgaaa taatttctga agttgattag ctatctcata tcttttatca 240
ggtcattttt tatatatgtn ggcacaaaca ataagtatgt tctcttctgt ttgggaaaat 300
aatttggaat aaaatanaaa ttagattatg aaaccaaaaa ctttctcaa tttangcctt 360
atttactcat gactggtttc tatgcacaag aaaatactaa accaaatata tngtaggant 420
gttattctct tctgcattct natccccatt ttgtttctgn ctttatttgt taaaattgtc 480
tttantttta tggt 494
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<210> 2953

<211> 103

<212> DNA



2437

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (99)

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (100)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2953

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tggccgtcgt ttacaacgt cgtgactggg aaaaccaann nnn 103

&lt;210&gt; 2954

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (155)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (157)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (201)

&lt;223&gt; n equals a,t,g, or c

2438

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## 2439

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<220>  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 ggtccacagg gcctgtccct gccactttcc aatctgtcct ccacttgaca tttggagtaa 120  
 ttttttaaaa cagcaaactc gattaggaaa ctcanangcc cagggaagcc agtgacttgc 180  
 cctctggcac cctgtcctga nggtagagct tcctggcaca nggtcagtga gccccgaggc 240  
 cacctccctg gaagctgcan gaaggtnanc gtngtcnana acaacaattt tcattgtttc 300  
 atgtgtcatt gcctatttta cgaacttcgc aantgccctc aatttgctta atttactttg 360  
 gccacccctt ccntnaaaag tcaaantcgt taattccaac tcccncccg caccgggttc 420  
 tgcaccngtt attccaacag gctggacaaa aggctaaatt gantttgaaa nccaataatt 480  
 atttcnt 487

<210> 2955  
 <211> 349  
 <212> DNA  
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<220>  
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<220>

## 2440

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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<222> (335)  
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<220>  
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## 2441

<222> (338)

<223> n equals a,t,g, or c

<400> 2955

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tctgaagaag agggagagaa agagaggaca gaaaacagag aanaaggag gtttgcacat 120
ggacggcggc cccagtatcg gagaagcact gacagggagg aagaggaana aatggacgat 180
gaagccatca ttgctgcttg gagacgccgg cgagaanaaa ccaggaccaa nctgcanaaa 240
anganggagg actganctgg ggaaaatctg aaaacactga aagaaaccac tcacgttanc 300
ataaggctca nggcacacgt tgccaccact catcncanga tgaagatac 349
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<210> 2956

<211> 393

<212> DNA

<213> Homo sapiens

<220>

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<222> (23)

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<220>

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<222> (214)

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<220>

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<222> (239)

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<220>

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<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

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<220>

<221> misc feature

<222> (319)

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<220>

<221> misc feature

<222> (362)

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## 2442

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<220>  
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<222> (374)  
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gaactttgct tatctcttgc ctaattaata cagattctgg aattttccag ttttacgtat 120  
agataagttt tgaaagtatg atttaagaag atatgaaatg tttgtattgg ctatacttga 180  
atttttttat tgcaaaaatg tctgattttc tganactggg tttctaacta tttataaana 240  
aaattgggtg tgggtctctt ggaaaatgta naaaaaatgt anttgtgtgt tctaatagcct 300  
tggccagata gcttgctant ctttattgaa atttaatgta tcctgacatg aataccatac 360  
tnatanggct aaanttgat gtttggtgct ntt 393

<210> 2957  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<220>  
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<222> (292)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (304)  
<223> n equals a,t,g, or c

<220>  
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## 2443

<222> (312)

<223> n equals a,t,g, or c

<400> 2957

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cacggagcag agcagcccgg ggaccaacct ggaatactca gttcagacta ctgaggaaga 120
caaaataaac ttttatgctt ttaaaaaaaaa ttatggacag aacaatatta gaacaaaaaac 180
ttttatgatt ttccagcttc tggggtttgt ctacggttac cagcagcctt gcccnngctat 240
tgttttttatt ctgttccagg ctggctgtta acaaaaatacc aataacgggt nnttcttaac 300
aacnttttct anaatttcct gggggg 325
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<210> 2958

<211> 494

<212> DNA

<213> Homo sapiens

<220>

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<222> (236)

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<220>

<221> misc feature

<222> (306)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

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<220>

<221> misc feature

<222> (343)

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<220>

<221> misc feature

<222> (354)

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<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

2444

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<220>  
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 <222> (439)  
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<220>  
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 <222> (458)  
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<220>  
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 <222> (465)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (472)  
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 aggaatctat atcctaagga ggaacataaa ggggtgaaaag cacagtggaa gggatgccta 120  
 aaagagcaaa ggctgaatca gggtttttaat ggccctgaaat gaccaatttt ctaaaacttg 180  
 acaggttaga tgttaaaatc agacatatag gttccaaaca atcgattgca aaggancact 240  
 tgttcaaaac actggctggg aatctgctca tgttgatgaa aaaccccagg gtttaaagtt 300  
 aatttnagggt cnttttttgaa tcngaataa cctggctgaa aanaatccca accnaacccg 360  
 aaagaaacaa cccncccgga acccttacc cccctttgtg gaaaagaggg tnaaaaattc 420  
 cccctttatc ccttgccnc aatttttttc cctttnttt tcttnttttt tnccaccct 480  
 ttaaaaaaac tttt 494

<210> 2959  
 <211> 149  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (35)  
 <223> n equals a,t,g, or c



## 2445

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<220>  
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<222> (62)  
<223> n equals a,t,g, or c

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<222> (115)  
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<220>  
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<222> (120)  
<223> n equals a,t,g, or c

<220>  
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<222> (132)  
<223> n equals a,t,g, or c

<220>  
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<222> (137)  
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anagataact agtctcgagt ttcttttttt ttttcctaata atcgtctccc ttttnaatan 120  
cttattttaat anaacttngtg caaatTTaa 149

<210> 2960  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>

2446

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<222> (252)  
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<220>  
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<222> (290)  
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<220>  
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<222> (303)  
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<222> (305)  
<223> n equals a,t,g, or c

<220>  
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<222> (306)  
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ggaacaccca ggaatgaaca ggccgggttg ccattataca gatgctggtt gctgaaagtc 120  
ttcaactgta aactaggtgg atttgagat tgataggtaa ccccgcttta caatagcatc 180  
atcatatcta tnatttaaga atttgtaagg gacagtagtt tcataaaaac tcttggggtt 240  
tcccaaatta anaaaaaata aggtcccca aatttattta ttaattttan ggtttttttg 300  
ggntnnccg 309

<210> 2961  
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<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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2447

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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atcactagat aatgagtcag tgttttagc atcacatttt acaatttaca gtttttgttt 120  
gattctgtag cccatttttc ttgaaggtta gaataagaat cttcttgtat ttgaaaacca 180  
tctgccttaa attacattta actacaagaa atggctctct gctggagaaa ttttaagcttg 240

## 2448

tcttagttgt ttggtagtgg ctatggaatg anaagtgttg agtcttgtgc cccttccatg 300  
ttntttatttg ctnacttact atattactan ggcctttaat tccagcacag catgtcttct 360  
ggtctatgaa aattgtgttg aagactaagg caaatgcctg ttccttgcca ctctccncca 420  
naaaatcnta tccgaaaant gactttgaat tccggtcctg gtaaccaaact actgtaatcc 480  
tccctttgca atccccngaa ccaaaggcta cgtccccngt ncncccttaa a 531

<210> 2962  
<211> 122  
<212> DNA  
<213> Homo sapiens

<220>  
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<400> 2962  
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agtgagtcgt attacaattc actggccgtc gttttacaac gtcgtgactg gaccnaaaa 120  
aa 122

<210> 2963  
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<212> DNA  
<213> Homo sapiens

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<220>  
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<220>  
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<223> n equals a,t,g, or c

2449

<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>

## 2450

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<220>  
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<220>  
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<222> (473)  
<223> n equals a,t,g, or c

<220>  
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cgtacagcgc gcacgtggta ccgcattctc gccagcggcg cccctaatac ccagccccgc 120  
cctgcttctc ttgccggggc tgaacgggtg cagcattgaa ggttggacgc cgantcncgg 180  
cgaattggtc ccttgccggtt ataaacttgg ggcttcccta agggcgggtg ccggatngat 240  
gggggcnctt cttccacctg caactcccc cagcnaaaaa cgcnaaaatt ncacatcncn 300  
ggccaaccgc tcnctccggg gtttttcaag gggggcccn gggcaaaaag aacttaanaa 360  
ttgttttggg ttttaaaaa catttncatt tggmatgggt ttctttttgc ccctaaaggt 420  
ttcaaccgcg ggnttntggg tcattggggc catttttcaa aaaacccnc ccnaattttg 480  
ttttttccna aaac 494

<210> 2964  
<211> 540  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>

## 2451

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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<222> (177)  
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<220>  
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<222> (184)  
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<220>  
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<222> (187)  
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<220>  
<221> misc feature

## 2452

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<220>  
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<220>  
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<222> (202)  
<223> n equals a,t,g, or c

<220>  
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<222> (224)  
<223> n equals a,t,g, or c

<220>  
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<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<220>  
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<220>  
<221> misc feature  
<222> (272)  
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<220>  
<221> misc feature  
<222> (274)



## 2453

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<220>

<221> misc feature

<222> (317)

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<220>

<221> misc feature

<222> (321)

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<222> (369)

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<220>

<221> misc feature

<222> (372)

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<222> (389)

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<220>

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<222> (397)

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<220>

<221> misc feature

<222> (413)

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2454

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<220>  
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<220>  
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<222> (431)  
<223> n equals a,t,g, or c

<220>  
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<222> (486)  
<223> n equals a,t,g, or c

<220>  
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<222> (496)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (502)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (504)  
<223> n equals a,t,g, or c

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agtnttacct tcgcncnttcg aaagccccgg ccctaaaagg aataaaagct ggagctccnc 60  
cgcggtggcg gtcgcncntag aactattgga tccccggggc tgcataaatt cggcangagc 120  
tgcttctct cctggantcc agagtcccn tgctccgtcg ggatattcan taaancnctg 180  
ggantcnggc ngtanggacg cngcgcgccc tccccgacg gtanggaaat ccgtngtggt 240

## 2455

cngcggnggn atcncaggcg tcacttgtgc gnancagtcg gctactctct ttccatcgga 300  
agatattctc ttggtcncgg nntctccggt tantaatgaa ttccaaatct cgagcanatt 360  
tctatatnt tngaacaatt cgatgtttna ataacantca agttccatgt ttnagaatan 420  
gcctncnccc ncatggaagg ttctagaaac ctggcggttaa cgctacctga aaaaaatttt 480  
aaaaanactt gcgttnntta cnanaaaat ggcatccac accttttttt taaaaactct 540

<210> 2965

<211> 293

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (67)

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<220>

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<220>

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<220>

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gcggnacgag ctttcttaca gctggctact gaagttttgg gatactagaa atatcacttt 60  
tatccanaga cttactgagg cttgtactac tcttcaagct ttgtggttta gactttgagt 120  
catgaatttc acccttctct gaatgtcttt taaagtttat gccattcttt gaatatggtt 180  
cttgactcc tacattactg ctgccaaacc caccagaaa ttttcttatt tgccnagtat 240

## 2456

ttttttnggt ctttttnnaat tcaanggtca tcattctcca taattttggc tat 293

<210> 2966

<211> 61

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<220>

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<220>

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<220>

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<222> (48)

<223> n equals a,t,g, or c

<400> 2966

gtcgagtttt tttttttttt tttaaaaaat ngtttaanna aaatcncncc caacactttc 60  
a 61

<210> 2967

<211> 187

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (33)

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## 2457

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agctccaccg cgggtggaggc cgctctacaa ctagtggatc ccccgggctg caggaattcg 120  
gnacgagtgg caacctggtg atggcagtgg tantggaaca tcctgccttt gcancntcc 180  
ctcctc 187

<210> 2968  
<211> 432  
<212> DNA  
<213> Homo sapiens

2458

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<220>  
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<220>  
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<222> (395)  
<223> n equals a,t,g, or c

<220>  
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<222> (399)  
<223> n equals a,t,g, or c

<220>  
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<222> (411)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (424)  
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<400> 2968  
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gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120  
aaaattataa ccaagcataa tatagcaagg actaaccctt ataccttctg cataatgaat 180  
taactagaaa taacttttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240  
ccttagaaca gcttaaagag cacacccgtc tatgtngcaa aatagtgggg aagatttata 300  
ggttgaagcg acaaacctac cgagcctggt gatactggtt gtccaagata gaatctttag 360  
ttcnactttt aaatttttgcc cccagaaacc ctctnaatnc cccttggtta ntttaacttg 420  
tttngtccca aa 432

<210> 2969  
<211> 211  
<212> DNA  
<213> Homo sapiens

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<220>

2459

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<220>  
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<222> (96)  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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aatacaatgt nattttaaaaa agtatgcgtc ataaaaacct ttaattctat aggnattatat 60  
ctgattcaat gatatttagt anagtaattg tcaganagat gtgtaatgta ntaattgaga 120  
ctgaanttta taagggccaa gtcacatgtc aatgtgacat gtanagacat atttatttnn 180  
aaacttgat gtttctaaat ttgtattacn a 211

<210> 2970

2460

<211> 96  
<212> DNA  
<213> Homo sapiens

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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<400> 2970  
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cccgnggttt ctttttttaa acatttccaa gccctt 96

<210> 2971  
<211> 157  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (124)



## 2461

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<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<400> 2971

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ggtgaaatgg aagaatttag gataagtttc tgaaagactc ataaacagtg attcttaaaa 60
aaatgagcat tgggatttat ttcagggaac acataagtat tgtantcana ttaccacctc 120
cctncgggaa ngaaggccac atnttggtggg ttttggt 157
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<210> 2972

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

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<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

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<222> (43)

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<220>

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<222> (50)

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<220>

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<222> (57)

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## 2462

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<220>  
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<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (134)  
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<220>  
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<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (157)  
<223> n equals a,t,g, or c

<220>  
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<222> (161)  
<223> n equals a,t,g, or c

<220>  
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## 2463

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<220>  
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<222> (170)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
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<222> (319)  
<223> n equals a,t,g, or c

<400> 2972

## 2464

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gaaaaaaaaa aaaaatttgt tgcnccttgan caacttnatg cntntaaaatn caaaatntct 60
ncaattntnt ggtccaaaaa tatattctgg atttggtaat tggcaaacc tttgataaac 120
atggccantg accnctnaat acnccccaaa gccagcnttt nctnctntn cagtgcataa 180
aatttattta ttttnaaaaan ccncatacta ttttgggacc attaaaacct atgggttaaac 240
tggctgcatt ggaattaact ttngaccaaa tcctaacnct gctactttct aacattntga 300
attgggnaat ttcctttcn                                     319
```

<210> 2973

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

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<220>

<221> misc feature

<222> (511)

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<220>

<221> misc feature

<222> (514)

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<220>

<221> misc feature

<222> (539)

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<220>

<221> misc feature

<222> (540)

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<220>

<221> misc feature

<222> (548)

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2465

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<220>  
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<220>  
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<220>  
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<220>  
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tctattactt acaaaagtaa aaagaaatgt tctaattgcac agtttgaacc taaaatatac 120  
atacataaag ttcttgaaag atgccaaactt gaatccaatt ttaaataaaa aagtttaaaa 180  
ttcgtgaagat gagatgagtt gatatgtaaa tatgtcaatc aaattgattg ttggcagagt 240

## 2466

```
gaaaccagtt ttaactaaga taaccatgaa tacgtttgtt catgaagcct aaatacagtg 300
acattagaaa tgtagtgga taaaagctgc gtactttaat ttcagtttga acagatgttt 360
tatgttatat ctntattgag atgaagtaga tcactccaat tttaagttga acaacatgga 420
ttaacttttt aganaagcag tctaattagg ctgactttng aatttcctat ttttaagtta 480
cagttccaga acctgaaagg ttcatcctt ngnttccatg aaaacaggtg gtttttccnn 540
taaaatanta aaacnggggc ctaatgtcat attttaaaat nattgtttan aattaaaatt 600
ggtccnccaa taattttttc caatatntcc cattcaggtt cntcnatttc cccatnttcc 660
ctttgaccnt gaatcttacc catgagcaaa cttggaaatt tgaatgaat 709
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<210> 2974

<211> 543

<212> DNA

<213> Homo sapiens

<220>

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<222> (172)

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<222> (277)

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<222> (294)

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<220>

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<222> (297)

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<220>

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2467

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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2468

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (532)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2974

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gttcagctgt agttcttatg caagttcctg actgcgaagt caatgttaaa ggtaagggtt 60
ttttccctat gtagtctcat cttaagttgc aaatgtagat tttaattaag cagtantaat 120
gtgacttttt tgcctaattc tgcagtagat tctaccgtat aacacattgg anatggtaat 180
cgttcagttc atataaacat aaaacagcat ttgttaatat gtctgttaac angtagttna 240
taatttaatg ttgtctttta ctggggcttg ttttgantcc catttttatt tgantcncta 300
acaaccatct nttaattaca atttaacttt cnaagantcg cgtnatttgt tttttgttaa 360
tgaaatgcta ttaacagcat tatnaaagtt ttctctttta atcttgaaan gaaaaaaatc 420
cntctcttaa aaagcctccc ccaaaaaaaa agaaaaactg ttccttaagt cccctactgt 480
nccaaaaatt tcncggttna tntttccacc tttgtccccc aaatttttcc cnatttttgg 540
ttt
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&lt;210&gt; 2975

&lt;211&gt; 621

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (278)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (284)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (288)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (299)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



2469

<222> (301)  
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<220>  
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<220>  
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<222> (307)  
<223> n equals a,t,g, or c

<220>  
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<222> (311)  
<223> n equals a,t,g, or c

<220>  
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## 2470

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<222> (344)

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<222> (375)

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<222> (384)

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<220>

<221> misc feature

<222> (397)

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<220>

<221> misc feature

<222> (405)

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## 2471

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<220>  
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<220>  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

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## 2472

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<220>  
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 ggtgtggaga aaagtttagt tacataaatg agtatattct ttgtgcaaaa atttgaaata 120  
 ttaccattga aactcagatt tgctgtagtg accctcaatc ccatttttct cgttccctaa 180  
 ttaccggctg ttttagtttg gtttagtctg tccttccaga ctgttctgcg tgtctttcta 240  
 tgtatcaaaa atattgcctt tttttttttt aatttaangt tttnaatncc ttttataatnc 300  
 ncancanttt nttaancncc anncncttaa nangtccaat gannaaaccn ccncattgta 360  
 ctgaactntn ccccntggga accnccatta ttatttncag ggttnttctt ttttaccaan 420  
 tgaatttaca aattaattcn ctnggtttta nncggttncc aancccantt tnaattaaan 480  
 aaaaaaaaa atcctntctt ttggaaacct aagcctgggg ataaatttta aaatccttta 540  
 aggntttaan ccccttaaaa aagggttggt tnaccccnt ttcccaaatt aaaaattaaa 600  
 ggttctctct aaaanccct t 621

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2473

<213> Homo sapiens

<220>

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<222> (13)

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<220>

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2474

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2475

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 actctgnagt cctaattntt ctagttggac caaaaaaaaaat ccnattgtt tgatctaang 180  
 agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240  
 ttatanaaaa tcctgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300

## 2476

ttaatatattgt ccctatttagc antcactaca anctattttct caaatntacn tattttctccg 360  
taaacaanca ttcagtactc cntcggatct ctaaaaatcc tctatgatct ntncacatca 420  
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aaagcnanc 489

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<212> DNA

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<222> (338)

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<220>



2477

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<220>  
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<220>  
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<220>  
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 aaagttttaa gtggagctca nacaaatcat gacttattaa gagactacag gaagccattc 120  
 agcatttaat aataactggt tacaacatga ggcaaagcta ataatggtat gggttttatta 180  
 anagatctgt catctctggt tttcttaaac tggtttaaca gtccagaact ttgttatggt 240  
 gtttccanct gaaagaattt attatanggc ttgggttaatt tatectaaat tttccttttt 300  
 aagaacccca tgaacnggan ccccnaaga aactgaanaa taactccttt tttttnaaaa 360  
 aggggtgaatc ctggccttggt gcccaaaatt atttttaaaa ttccgcccct tnaggggaaa 420  
 ctttgctttg gtatttttcc ttnaaaacaa nttaccacca ccngcttntc tgggttttccc 480  
 aattccactc ccagggtgaa ccttancctt cctgc 515

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<220>

2478

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<220>  
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## 2479

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&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (422)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (465)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (489)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (505)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (507)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (534)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (539)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2978

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cagtgtcttt tagcaggatt aaccantaac taacttattt gctttgggtt ccaataaata 120
actgcagcct gttaataatt gtgcatgtgt tttatgtggc ctcaaataaa ctgagacaat 180
cttacacatc tgcattccag atnggggtcac tattccttca tacttaatct cctattatgt 240
aactgtccat tnacaaaaaa tacatcacat aagggaaaaa acttaaatac ttaatttgct 300
agtgcattaa taagtgatac taatacacat nactttttat tgttacctta aatatatgtg 360
tttgctcaga aatatannna ataaaaccta ntgttatgtt ttctcgcntt aaaatgtacc 420
anatcttgtc caaatgcttc gaactgtaat gtgtttactc cttcncgtga actgtgtcta 480
aacatttant aatgttttta aattntnaac tccatgaagg gtaagggtgtg tccnaattna 540
actgtttcaa cttgcaatgc caaacaca 568

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&lt;210&gt; 2979

2480

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## 2481

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2482

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<220>

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<222> (457)

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<220>

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<222> (601)

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## 2483

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (632)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2979

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tgtaaccagc tgtgcacttt cttctctttc ccaaccccag gaaaggtttt cttatttttg 120
tgtgctttcc cagtcccatt cctcagcttc ttcacaggca ctcttggaaga tatgaaagat 180
tactctccat atcccttcct ctcangctct tgactacttg gaactaagct cttatgtttg 240
cctttgtttc ccatcanaat gtccactaaa aagaaaagga ngaaactanc anaagaaaat 300
nttattttgg tttatnanc ttaanccct ccaaagacan aactttaaat cttttnaaaa 360
aaaagtttgg aatnnatttg attactatca ttattcnnc ctttactttt aancnnggct 420
ccctacttna ctccncccta cattatctcc ctttntncct ttatcatccc ttaaaaaaat 480
tcctttnaan atacattttt atcctccctt tttacaccaa aagggnaaat tccgggcntt 540
tggttgggtn caatcccctt tttattcccc cnncaccttt ttgggaangc ttttaagggcc 600
naaaaggatt tttcctttta gggccaaggg anttttttaa aaaaccaact tttttcccc 660
cccat 665
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&lt;210&gt; 2980

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (185)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (214)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (303)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (364)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (414)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2484

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<220>  
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gcatgagtct gcctgtgcag gtgtctccta atcctgattt ttgcttgat ttgtgaacat 120  
gtggcaagcc tcttctgctg aaccaagtaa gggttgtgga gagagaacag aggcaccaga 180  
catanactaa ggtgtaagga gcaagatgta atantttaac tcaattggat tttttaattg 240  
ggtggaataa ttcaggggtg ccacacaata ttatcaccta aaaagatgtg acttactgtg 300  
aangatcaat actaaataat ggggctctct ctgccatata tattcttgct taaaagtatc 360  
ttantacagt gcagacttat tatatacaat ttaatttaca tgaattcact attncatcca 420  
tcctttatat taactataat tgtttatatg tnacanatcc ccaattaaag aattacacaa 480  
tattccataa tntttatttn tc 502

<210> 2981  
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<212> DNA  
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<220>



2485

<221> misc feature  
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cnataactgg agccatccgg ggggctggca anacttccg 99

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<212> DNA  
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2486

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agtactttgtc tcagcgcttg acttttggtta aatgttaaatt attttttaat atacataccc 120  
anggggcaga aaacatttgn caattcattt ttatttagctt gatggagcat gnattatttg 180

## 2487

caatggaata ttggacttgg tattttttct gagcattatc aggttttctgg ctggtgggag 240  
gggtgggnaa aaccaattcc tctttanctg aanaagntat tggtnngggc agggcttttg 300  
ctttgnctgg aaagcggctt aaatccacct tatnttgggg gcttntggnt ggggaaaaac 360  
caggaaaact ttgtcccctt ccccccattgg gggtccn 397

<210> 2983

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<212> DNA

<213> Homo sapiens

<220>

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<222> (35)

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<222> (58)

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<220>

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<222> (77)

<223> n equals a,t,g, or c

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gcacgacata caagatntcg ccttcgccta tctcaaaagg a 101

<210> 2984

<211> 484

<212> DNA

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<220>

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<220>

<221> misc feature

2488

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2489

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ttttccttct cttcaancta tctcgaaagc aaaaatatca gcactactgg naatanaaat 180
ccactctcta tgtttcaatt ccatttatcc tctgggggagc acaaacttgg gcaatcaata 240
aaggctttta ntganacaga catgcttttag tgggtgcaat atgtgaccca aaaaattcca 300
cattcacatc agtgtgggta attttaaatc actcatcatt atgcacttat attcacaccc 360
acacacactc aggactcaca cagaaaaaaaa aaatnattca gacactccaa aattatcctt 420
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gana 484
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2495

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2496

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tacaaggact atnggcaagc aaatanaaac tgaantgtcc angcccaant cccnttttctt 180  
gtccnaaagt ctgattancc nttttatcat aancnngatt ccgtangtnc tttcnatggt 240  
aattcnattn tcttggagcc tcaactcctcc tcntataaaa tcatttggta ttatttataa 300  
tcttctncca ncattctact cttagaagct gaatcnacaa ggacagnnta acctcantct 360  
tggacctctc aggctaaaca ggctacatta acannatcta caanatgatg gatgggttgt 420  
cnaangtgaa tattctcacg ntaancatgg gnatacccn atngtctgtt atactctgtt 480  
atcgtcatcn ctgaantaca ntgtcttgaa attaanaatt ctccaattac tttacanagg 540  
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2497

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gcaggagatt ggggcttaag tnaggtgcta acaccaccgt agtgganaag ggagagaaaag 120  
cttggganat agatngatgg ggaggttagca ggacttggtg nattcactga gcctggggggg 180  
atgacttgaa gctgatggtg cagtggntaa cagttgcagg gctctgaaag gggaagnagc 240  
tgatttgcag gnagagggaa aanacttant cctgtngggg ccctgtnggt ttttaccccc 300  
gtttccccag ccctattctt gccctccttt aaagtttcac 340

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2498

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gcgtcttctc tagccnggct taaaaattac aatcaacaaa ttnacagctn agaaattaag 120  
gctgtgtcnc attacttcan ganaancctt acccttggat catacttngg anncctggat 180

## 2500

tgctaaagan gattgtcctt tatataatgg tgganatatc ntcttgnaat ntcttaatga 240  
tcaagaacaa ttctgtcaaa atgtttaatc ttacttggaa tagtc 285

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tggccgtcgt ttacaacgt cgctgtactg gggaaaacc aaannccntn ctntt 115

<210> 2990  
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## 2501

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accttttggg ggatccgaca agcaaataaa gcttcagctc gcagtacagg actctgccag 120  
atgtcttcac ctctcctgg tggaatctaa gccttgtgca cctttccaat ccaaaatcaa 180  
gggtacagga atcttcctgg aaaaaaagta natttgattc anctggcaan aattctgttn 240  
ancttaatag g 251

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<212> DNA  
<213> Homo sapiens

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## 2502

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ctagtggatc ccccgggctg caggnaatnc ggcacgaggt tggtctgtgc tctgtcctg 120  
caccataana gcatgtccca ggcatcatg ttcttttgca ccaggntcct gggaatgcag 180

## 2503

agacncttgg agctgacctg aactggacct ctataancag anatgctgan caacatctgc 240  
agatacntgt atggtattgt agcagtcctt gaaatcatnt actctacca 289

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<220>  
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<220>  
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tggccgtcgt tttacaacgt cttgactggg aaaactcatg cctgcntgat cctcnaaatc 120  
accacatgan tattcctatc cntacn 146

<210> 2993  
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2504

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gnc

63

<210> 2994

<211> 437

<212> DNA

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<222> (233)

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<222> (241)

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## 2505

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attcctggca ctgtgggatg atttcgagat gctgctctgc tcttttggtc aacatctgct 120  
ctgactgggt gtcaaatatt ctgacattag acacagcccc aggcacgtcc tgcacacatg 180  
cactcacaca atgtcccaca ggggacacac agtggttcaga attgtcacca tanacagaaa 240  
ntccctcctg tggatatatgt tgaaataacct cctcttttgg gccaaagccc ctaggcagaa 300  
nctcttgata atgggtggcag gaaaaagggg tntngaaaaa aggcctgggc aggttataaac 360  
cantttcnca caaantctga attcctgctt gcaaaantgg gccgaaaagg gcaggaaatn 420  
ctctttttta aaaaaaac 437

<210> 2995  
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<212> DNA  
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<220>

## 2506

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<220>  
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<222> (150)  
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<220>  
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<220>  
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<222> (160)  
<223> n equals a,t,g, or c

<220>  
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<222> (163)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<400> 2995  
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agttaatat ttgccaaaaa gaatatctat aagatacatt aacctactaa tggactccca 120  
aactatgtga aaaaaaaaaa actgacaaan ttgangggan aantanacaa ctgaacaatc 180

<210> 2996  
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<212> DNA  
<213> Homo sapiens

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<222> (106)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2507

<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<400> 2996  
gcggcacgag cggcacgagg gggggcccg gacccaattc gccctatagt gagtcgtatt 60  
acaattcact ggccgtcgtt ttacaacgct gtgactggga nccccnaaaa nnn 113

<210> 2997  
<211> 185  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (110)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
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<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (182)  
<223> n equals a,t,g, or c

<400> 2997  
gctcacttgc tctgagacag gtgcggcaag tctactgcgg gctgggccgg gctcctcaag 60  
tttcagaacc gaacgggttat tccaattcgg ttccttggaa aaggaaaagn tgcactttta 120  
naagttcccc aatgaaacaa aaaaacctcc accattttca nggcntggtt caacggccca 180

2508

tnacc

185

&lt;210&gt; 2998

&lt;211&gt; 117

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (29)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (40)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (96)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (114)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 2998

aggctcatgg gataaaacag acttcttant atatacctan ctatcccagg atattttctta 60

agctaattgtg tttgtctcat gctttcaatc atttcttgca tctgaaaacc cntnaat 117

&lt;210&gt; 2999

&lt;211&gt; 129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (120)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

&lt;223&gt; n equals a,t,g, or c



## 2509

<220>  
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<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (128)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<400> 2999  
gcggcagcag cggcacgagc ggcacgagcg gcacgagggg gggcccggta cccaattcgc 60  
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactggggaan 120  
ccnaagnnn 129

<210> 3000  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>

## 2510

<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
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<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2511

<222> (434)

<223> n equals a,t,g, or c

<400> 3000

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gattctcaca ccaantncaa antattagga attttttata tcagctgaca tcttgtgctt 60
acagtaaagc catatagatg cacacatagt gactttatta aatcaaata gttgtgcaga 120
gcagagcaaaa tctattangc tttctctttt aaanttttct aattttactc ttattagctc 180
cctcagttnt catcaattac atattcctac atcagatatt ttacactatc agattctttg 240
attanaaaaat catcttcagc tttacattat taatctctga aggacataaa atcaaatact 300
ttctngtcca tgatcantna tccctactat nttaaatctt cccataaaaag cttaaangga 360
aaaaaaaaatg tcgttnttcc aaaaaaaaaatg cttgccggmn ggtccgcctt tatccacctt 420
tggagcgggt tggngacctt                                     440
```

<210> 3001

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<400> 3001

```
gaaaaaaaaa catctgaaca aatttttagtc tctaatacctt acggctaaag caaacagtaa 60
agatagccta acccttagct taataatata aaatctcatg ttaaaggtcc atttgcctca 120
```

## 2512

gttcctttta ctacgtacat cacattcagc tttcaacaaa aaaaattaca nggcatacta 180  
aaaggacaaa aaaacagttt gaagaangac agcaagcagt nggacaagac tcngatttgg 240  
aggaagatgt tgaaatcatc agactggaaa tttaanacn 279

<210> 3002

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<400> 3002

acttgcnct caaaaaangg cccnaaaag aatntaaggt tgaatctcta cgggggtgnc 60

## 2513

ggtcgattta aaattnttgg atcccccggg ntgaaggaa

99

<210> 3003

<211> 93

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<400> 3003

gtgaatacaa aacataataa aaaggtaagc tgaatatagc aaaaaaaaaa aaagggttta 60

aantgggagc ngntgggttn ccttttanct cca

93

<210> 3004

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

## 2514

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<400> 3004  
gctttcctag aaagttaaga tgtaaatgta ttctcacatg taaatttgaa agttcagggg 60  
tctattatga aatgatacac attttttaa at gaaccataat ttttttcact aagctgtttg 120  
ccttccaaag tgtttacacc ttaagcctta acatgtatct tcattcagaa aacagttata 180  
ttgtcatacc atagtaggaa gaaaaacctt tatttggaat atacactact gtaagtttgt 240  
acagatcata tacctaccac ctgtctttgc ttaaagagcc ttgattacat naatatgtta 300  
ggaaaaaaac atattgagtt tcaaaaattta tatcctgaca ttgtttaagt ttatgantnt 360  
tttttnnaat ttgccaana caaggtgtta tatt 394

<210> 3005  
<211> 108  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2515

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 3005

gcggcacgag ggggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaaacgt cgtgactggg aaaaccctaaa tnnntntnn 108

<210> 3006

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

## 2516

&lt;400&gt; 3006

```
gcttattaga gaggtcctat ggcagtgtaa actgtncctc cttgcttgcc tgcatttgct 60
gaactagagc tttcactgtc ggcttgcagc acatataccc ttccagttca ctggcttagc 120
aacagattca aagaacggtc ttagtactgt acctgaaatt atgatccact ctgatgatta 180
gactttgttc ttgggtcacc tgactcagct gtccttacct ttcattccgt aggttnaata 240
tagacataga cacagatcta taaaaattat acagatatga tnttgatctn gatatnggaa 300
aatagccctc ttataaatac cgatntctat gaatnt 336
```

&lt;210&gt; 3007

&lt;211&gt; 57

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (41)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (49)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (52)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3007

```
gcgagttttt tttttttttt ttttttaaata ttangggacc ncttttttna ananttt 57
```

&lt;210&gt; 3008

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (133)

&lt;223&gt; n equals a,t,g, or c



2517

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (289)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (290)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (294)  
<223> n equals a,t,g, or c

<400> 3008  
gaaactttta aaaatctttg gtggaataag agagagagag agagtatgtg tataaaaattt 60  
cagagaggta ttttaaaagt gatggatttc tagcttggtc ttgaatgaag ggcaagtctg 120  
gttggcagtg aanaggcaca gttttcatgg tgggaggctg gcagcaaaca gacaggctgg 180  
gccc aaacac agtgggctcc tgaaagctgg aggtgtacac cnngacagct gctggagggc 240  
tgttgaattg tttcctggaa ttaggttttg gtttagtggg acaataccnn tccn 294

<210> 3009  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (300)

## 2518

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (410)

<223> n equals a,t,g, or c

<400> 3009

```
gcaggcatct aactcccaca cctgtggctg gagcccatgt cactcacctc tctactcaa 60
aactagattg caaattecca tccagagact ctccaaatca gtgactgcaa cccatgcttg 120
ttggcagggtt cttatacaac ccactatgag ttagcatcaa aaatggcttt ctctatcag 180
cacccatgtn tgggagtgtg tgtggggtta cttcccagtg ccgttccttc tcatggcttc 240
ctgactgctc cctgattcca gatcaagget tggtaaantt caaaaactcc tccatggctn 300
ggaatgcctg gcttgtccag tnggaatgtt tttttcacia aaanagttcc tccccgtct 360
tcacacacng angaatccct cacagttttc ccaccaaadc ccccccnnn gggtgctgct 420
tgccttattt tccaaatttc ccaa 444
```

<210> 3010

<211> 347

<212> DNA

<213> Homo sapiens

## 2519

<220>  
 <221> misc feature  
 <222> (144)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (220)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (236)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (260)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (311)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (322)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (324)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (345)  
 <223> n equals a,t,g, or c

<400> 3010  
 gtttagttca cctggtaaaa tgggtttctc atttctcgat caagcctggt gtgaagggac 60  
 gcattggact ttaagttggt ttataccctt catctatatt ttttaaagat ttgaactggt 120  
 gatgtacagt ttttaaaatg ctanagctag caaaagttga caactttcca tctgattgta 180  
 tttattgaaa catgtgcac tacatatatt tactggactn cttactgtac attttncttc 240  
 ctctaggaaa tggcatcaan atggttcaac taagaacatg atcactaaaa acattataat 300  
 aatacctttt ngaaaaaccc antncccccg tttaccaaatt tttntt 347

<210> 3011  
 <211> 126

## 2520

<212> DNA  
<213> Homo sapiens

<220>  
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<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<400> 3011  
gctagtctcg aggggggggcc cggtacccaa ttcgccctat agtgagtcgt attacaattc 60  
actggccgtc gttttacaac gtcgtgactg ggaaaaccca agctntnntt ttttttctnt 120  
cgcant 126

<210> 3012  
<211> 69  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (22)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)

## 2521

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<400> 3012

gctgatgtga ggcctcttgg tngttgtgtn anggaaaatg gtatcaanta acagcatggc 60  
ccccangta 69

<210> 3013

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

## 2522

<220>  
<221> misc feature  
<222> (300)  
<223> n equals a,t,g, or c

<400> 3013  
gagaacacag agtgtgttca tcagatttta tctgcagcag tttntttctg tttattgttt 60  
tnccttagta gtgatgttac ttttatcaaa gataatccat tgaggacatt gttctatttt 120  
ctgacaaatc aaaacgttgt cttcaaataa tgcctttaac aatataattc catgtttgac 180  
ataggaacta cttatagatt gttataaaaat tgaataattt tgtattaatt atttaattct 240  
ttccttaaca taacatgtta agcatgatch aatgtgaaaa cacttttncc ccgaattnnn 300

<210> 3014  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<400> 3014  
gcggcagcag gggggggcccgtgtacccaatt cgccttatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttacaacgt cntgactggg aaaccnaaa nnn 103

<210> 3015  
<211> 104  
<212> DNA  
<213> Homo sapiens

## 2523

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<400> 3015  
gcggcacgag ggggggcccg gtacccaatt cgccctatan tgantcgtat tacaattcac 60  
tggccgtcgt tttaacaatt cgtgactgga accccnaaaa nnat 104

<210> 3016  
<211> 102  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2524

<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<400> 3016  
gcggcacgag ggggggccccg gtacccaatt cgccctatan tgantcgtat tacaattcac 60  
tggccgtcgt tttacaacgt cgtgactggg aaaccnnaaa nn 102

<210> 3017  
<211> 260  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (84)  
<223> n equals a,t,g, or c

<220>  
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<222> (115)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (159)  
<223> n equals a,t,g, or c

<220>  
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<222> (176)  
<223> n equals a,t,g, or c

<220>  
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<222> (195)  
<223> n equals a,t,g, or c



2525

<220>  
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<222> (197)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (248)  
<223> n equals a,t,g, or c

<400> 3017  
ggttattcan agcttaaaat ctacttttaa agctttccaa ataaaaaaaa gcaacttaac 60  
aaattgctcc ctgcttatta gctnaaatga aatcatgaat gtgctggcat agatnagagc 120  
ctaattgatt acctggatct aggtacatgt gtcgcctnna atcattcaac ctttcntcac 180  
tactatgtgt aaggnantct gctnggtccc aggaatgtgg ggctaataa taaaagcact 240  
cctacttnag tctggcagga 260

<210> 3018  
<211> 56  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
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<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)

2526

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3018

gctagtctcg agtttttttt tttttttttt aagttananaa ngttnaacta naatta 56

&lt;210&gt; 3019

&lt;211&gt; 339

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (117)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (247)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (301)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (339)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3019

gaggaagtgg gcagcctgga tatcacatca ccccatgtct gctgctgctc aggtttctct 60  
 cactgtctct tgggtatgtg gtggggattg gggggtgagg aaggggtggg anggcanatt 120  
 aaagagaaag cagctgcagc ctgaggcaca gacaggatgc agagtgactc catcatccca 180  
 cctagagtca tggacaccac ccactttgat acatcctgtt ccacaaccat aattcccttt 240  
 catgctnatt cctttttaat tggaatctcc cttccttcca cttccaaaaa aaccnaatct 300

2527

naccncnggtt ttttaaaaat tggggaaaag gggtttccn

339

&lt;210&gt; 3020

&lt;211&gt; 105

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (101)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3020

gcggcacgag ggggggcccc gtaccaatt cgcctatag tgagtcgtat tacaattcac 60

tggccgtcgt ttacaacgt cgtgactggg aaaacccaaa nnnnn

105

&lt;210&gt; 3021

&lt;211&gt; 541

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (171)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (279)

&lt;223&gt; n equals a,t,g, or c

2528

<220>  
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<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (371)  
<223> n equals a,t,g, or c

<220>  
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<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (386)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (431)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<220>

## 2529

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<220>  
<221> misc feature  
<222> (455)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
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<222> (472)  
<223> n equals a,t,g, or c

<220>  
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<222> (507)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (525)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (541)  
<223> n equals a,t,g, or c

<400> 3021  
ggaaaaaaag gactcatcta gttatatgga gaggcagaga aatgcaccca cgcaggtctt 60  
ggtgagtcac ctgccaagaa actgagactc cctaaagtaa cagaacttcc agccttcttg 120  
gcaaaggatc caggtttggc acagtttcaa ggtttatgca tttaaagaaa naaacaccct 180  
gagaaggcta aaattggtaa cggctagttt gaaggttaag aaaaaaaacc tactcctgaa 240  
ctgattctct atgttgccctg aaggctcctt atcaaattnt tcttactgaa aaaaccccaa 300  
accacttctt gttgttttat attacaactg cttgaattgg ggnaantta cccccccgtg 360

## 2530

```
ctttccggtt ncccccaaaa ttngcntnct gcatttcctg ttgggttccc aattttntaa 420
aatccccac ntgaaatttt nncattgggc cccncccnna nnaaaaaccc cnatttccca 480
ttccttgga ggattggaaa aaaccnggg aaaatttttg gaatnaaacc cctttttttt 540
n                                                    541
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<210> 3022

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (424)

<223> n equals a,t,g, or c

<220>

## 2531

<221> misc feature  
<222> (425)  
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<220>  
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<222> (442)  
<223> n equals a,t,g, or c

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taccagtgtc acaaagagaa ttctaagggtg ggtatgccag gcaggcnagt ttacagacct 120  
atcatatgtt ttctcagggg ctgcctgtca ccagctttgc aaatttgggc agatttgaaa 180  
ttatcactta cttttctgcc ttagttatca gatctcttgc acctctggca gctttattga 240  
atgtgtgcca ggtttgttaa aataacattg ttcttgaaat tattccnaca ggtgagttta 300  
ccccatgcct ataancccaa antgcttgga attaagggnt taaccactgc ccccgggcaa 360  
attccagtn cttttccaaa aaaaacccca aacttaacct tggaattaat ccaattttnc 420  
cccnmtttta ttttaaaaatt anaaaaa 446

<210> 3023  
<211> 297  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (262)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (264)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2532

&lt;222&gt; (292)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3023

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gttggattat tgaatttttac cttanaaaaag aaaaactgca cgaaaaacac atatcaaaat 60
ttaaaaaataa ggaaagtaaa tcaacttcca catcaacctg cctcataatt ccaacatttc 120
acttgatttc tatatacatc tgaagccatc actaaattgt cagtgtacct tccaaaatga 180
tggccctgac cacatccatc aaatgtttca ctaagctaac taaatcctac aaatgcctgg 240
ctaattgaaa tgctttttnat antntttccn atgggctgaa tacccaaggt anagccg 297
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&lt;210&gt; 3024

&lt;211&gt; 427

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (160)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (209)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (249)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (251)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (303)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (327)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



2533

<221> misc feature  
<222> (378)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (398)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (418)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<400> 3024  
gccccgactg gacctggccac actgctctcc agtagcacag atgtctgctc ctcctcttga 60  
acttggttg gaaaccccc ccaaaagccc cctttgttac ttaggcaatt ccccttccct 120  
gactcccag ggctagggct agagcagacc cgggtaagtn aaggcagacc cagggtcct 180  
ctagcctcat acccgtgccc tcacagaanc catgccccgg cacctctgcc ctgtgtcttt 240  
catacctcna natgtctgct tgaaaatatt tcctcagcct gaaagtttcc ccaaccatct 300  
ggnaaaaaaa tnctatgcat cccttanaac cctgctcaga acacaattac ttttgttaaa 360  
ggcttctgcc acatcttntn ttcccccaa attgaaanac tccgccttct cggggggncc 420  
cggtanc 427

<210> 3025  
<211> 537  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> (182)  
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<220>  
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2534

<222> (190)  
<223> n equals a,t,g, or c

<220>  
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<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
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<222> (291)  
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<220>  
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<222> (316)  
<223> n equals a,t,g, or c

<220>  
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<222> (324)

2535

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (356)

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<220>

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<222> (358)

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<220>

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<222> (384)

<223> n equals a,t,g, or c

<220>

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<222> (395)

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<220>

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<222> (410)

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<222> (413)

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<222> (418)

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<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

2536

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<222> (433)  
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<220>  
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<222> (435)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (457)  
<223> n equals a,t,g, or c

<220>  
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<222> (465)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (477)  
<223> n equals a,t,g, or c

<220>  
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2537

<220>  
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<222> (480)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (506)  
<223> n equals a,t,g, or c

<220>  
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<222> (517)  
<223> n equals a,t,g, or c

<400> 3025  
gttccttgcc atccttccat tgtttctaca tgcattgtaga cacaagttct tattccagca 60  
tacataaaag gtaatgtact gtatatatta ttctgcacta gttttaaaaa atttaacagt 120  
atgtaactgg agtcccttt gtatccatac ataaagagct tcttnccttc tgttacagta 180  
anactatgan aatgttccat agtttaacca gtccagtcct ttananatgg ataccgtatn 240  
gttattgcaa ncaagtgtcg cagtcagtaa cttgtgttat atcannattt ngttcatgtt 300  
gcnggtttat ctatanaata aatnccccaa aaataaattg gtgtgttcna ngggtnantg 360  
tttttggtta cccccagaaa aaanttggcc aattncccc cgtaaaaaan ttntttcntt 420  
ttggaacccc ncnctttttt aaaanttttn ttgnttnttt ttagnaaaat cttaanncnn 480  
cccttcccc caantgaaga aaaaanaaac ttgtccnttt tcccccgagg tgaaaaa 537

<210> 3026  
<211> 109  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
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<222> (103)  
<223> n equals a,t,g, or c

2538

<220>  
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<222> (104)  
<223> n equals a,t,g, or c

<220>  
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<222> (108)  
<223> n equals a,t,g, or c

<400> 3026  
gcggcacgag ggggggcccgtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacnt cgtgactggg aaaacccaaa annntatna 109

<210> 3027  
<211> 544  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (51)  
<223> n equals a,t,g, or c

<220>  
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<222> (74)  
<223> n equals a,t,g, or c

<220>  
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<222> (75)  
<223> n equals a,t,g, or c

<220>  
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<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2539

<222> (132)  
<223> n equals a,t,g, or c

<220>  
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<222> (143)  
<223> n equals a,t,g, or c

<220>  
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<222> (144)  
<223> n equals a,t,g, or c

<220>  
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<222> (165)  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (167)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (187)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (190)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (222)

## 2540

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<220>

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

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<222> (317)

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## 2541

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2542

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ttgaaacaag cgttnactat accncttten ctaacccttt atgttaccat atcttctncc 120  
aacctctctc cnatccatta ctnggttctg agctaccctg tctcnntct aactcacgcc 180  
tttntgnaan aggaagttta agccantggt tactctctta antcacttca cccttagaac 240  
aatcctggga ggtgttnatt tcggaaaagg atncttaacc acaggacaga aaanttagtc 300

## 2543

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ntcgtttctt tnnnnnnntta tttataaatg ggaccntatg actgggttatn ntcaaancnt 360
caacntttmn nnnnggaactt ngcatatgtt caacccaaaa tgggccgcct tgaaanggtc 420
ttttgcagta aaatctcagt gtccacatcn aaaanagtct tccgggctcc aattaatata 480
ctcctgcccc anctgctcat ctcttgccacc tctaaacgtt cttcacaaan tagganattg 540
ggct 544
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<211> 364

<212> DNA

<213> Homo sapiens

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<222> (19)

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<221> misc feature

<222> (30)

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2544

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 aaaatcctct tcatcgggcc cnaaatctac tggctgtggg ggctgggtant tancctncgt 120  
 gaacgccena cattgaaaca ctncccnatg tgttgggacg tccacagaat gncaagctna 180  
 ccacgengtt tatcttactt gggcncgcnt aagcccccg cttgggtccac 240  
 ttccncaatc ccttgncgcc caanaaaggc ttctttccaa ggtttcccaa agggcccccc 300  
 nttgggggtn cantccctc aaaacataag gggccngcnt taattaacct cgaagtgggg 360  
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 <212> DNA  
 <213> Homo sapiens

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<220>  
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2546

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<220>

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<222> (94)

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<400> 3029

ggccctgggc gttttcccat tctgggaaga aaaaaaaaaa atncctgggn accctttaaa 60  
aaaaccnatt ccctgaaaaa aaagaacttt nttnccgga aa 102

<210> 3030

<211> 104

<212> DNA

<213> Homo sapiens

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<222> (102)

<223> n equals a,t,g, or c

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<222> (103)

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<222> (104)

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2547

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tggccgtcgt tttaacaacgt cgtgactggg aaaacccaan nnnn 104

&lt;210&gt; 3031

&lt;211&gt; 543

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (136)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (165)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (192)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (239)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (245)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (306)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (350)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

2548

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## 2549

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<221> misc feature

<222> (520)

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agggcatgtg accctnaaac ccccatgagc agcatcctgt ccccnagcca cggaagctcc 180
tgctcccttg gncaggcctg cccctccctc caagctgtgc tgttgacat tcggtgacnc 240
acacncctga caagctctcc ttgctggccc ttagaaggat cggtgaaaag gaaggggaaa 300
ccatcncttc ttgaactacc ctttggaatc cctccccgtt tgaatttttn tacaccatgc 360
tttatcnttn gnataacccc gntncctatt nangnnaatc ccaattttga acctttcatt 420
tgccaccaaaa aaaaaccctt cttttatctc ccnacgattt ctcaaantcc ccgttttgaa 480
acctctcana ttcccaattt gcaactttca ctccacaggn aaatttttcc aaatctctta 540
tgt 543
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<210> 3032

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<212> DNA

<213> Homo sapiens

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<222> (10)

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## 2550

&lt;222&gt; (60)

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&lt;400&gt; 3032

ggacaantgn aacgtattcc tgggtgtgct atacccgant gcantggatt actcgggtgn 60  
tcttatttct a 71

&lt;210&gt; 3033

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (32)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (104)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (109)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3033

gcggcacgag ggggggcccc gtaccaatt cncctatag tgagtcntat tacaattcac 60  
tggccgtcgt tttaaacgt cgtgactggg aaaacccaaa atantcntng tc 112

&lt;210&gt; 3034

&lt;211&gt; 114

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

## 2551

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acaattcact ggccgtcgtt ttacaacntc gtgactggga aaaccaangg tnnn 114

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<211> 183  
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2552

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atagatgtna aggatataat gttagacttc tagcacttga aattgcccatt ggtcttttctt 120  
cttctcttca atctnatnag ctgggtgatc agaaatgcna gagtgcacatt gagaancnta 180  
aat 183

<210> 3036  
<211> 478  
<212> DNA  
<213> Homo sapiens

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2553

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2554

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<220>

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2555

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2556

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aggantcctg ggtgatatca tcatgagacc cagctgtgct cctggatngt tttaccacaa 120  
gtccaattgc tatngttact tcaggaagt angaactggt ctgatgncca actcgaatgt 180  
ccgtcttacc gaaacagacc cacctggcat ctatcctgat tttaaaagaa ncccnncacc 240  
ntancanaat tncntaattt ggctttcana aanaccngnc caatattgga tttggncctt 300  
ccccaacccc acanaaataa tggctngcac tttngcngtt gggatttgna ttggggggcc 360  
aantntctt tttncnanaa tccttgggtc ctnggcaaag ttcccttggg gttggggaaa 420  
ccaanccct tgttgcttga aaaattaaac tccccatttn ncccncttt ttttttac 478

<210> 3037  
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<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (102)  
<223> n equals a,t,g, or c

<220>



2557

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<220>  
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<220>  
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<222> (259)  
<223> n equals a,t,g, or c

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<220>  
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## 2558

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<220>  
 <221> misc feature  
 <222> (322)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (328)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (402)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (427)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (435)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (442)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (453)  
 <223> n equals a,t,g, or c

<400> 3037  
 gcttcttgca agtgcttagg canaattata cctgaaaaaa aaagctggaa ctcttgacct 60  
 tttctcatgt tgattattaa tatgagcagt gaacttcna cnatgagatg ttagcagaaa 120  
 tgaagggctg ctgtcagtg aatgctcatg gtggagctct acaggtctct gcantgccct 180  
 ancctgcctc tctgtctctc ctatcacagg canatntgcg acgggggacc ctgcntaccc 240  
 ccagccttgg ctccantanc attgggcaca aatccctcan gtgtncaggc ttngcacagg 300  
 tgcatattng ggagcacctc angatgcngt taggggaacc ctctgcacaa cccacctccg 360  
 gcaaaaacaa gttctggggg cacggtgccc caaagaaaac cntgattgaa tacttttgtt 420  
 tattttanttc tgcgntccat gnaaaacttc ctngggaaaa ttttctacaa acttc 475

<210> 3038  
 <211> 482  
 <212> DNA

2559

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

## 2560

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (301)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (367)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

## 2561

<220>  
<221> misc feature  
<222> (393)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (429)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (448)  
<223> n equals a,t,g, or c

<400> 3038  
gtggncnnag ggggggccccg gtacacaatn cgccctatat tnagtcctnt tacannncnn 60  
tggccgtcgn ttaacaacnt cctgactggg aaancccaag catgagtgcc agccactggg 120  
atctanaact gtgattagtg aggaaacacc taggangaac aaacaacca actcttttta 180  
tctaactctgt tgactccaaa gggaccttct gcttattcca gttaaaactc aagctgcaat 240  
tcaaaatgaa atcagtatct ttttttctct acttttcagc aaagcaagat gctaccttat 300  
nattaccacc tttaacaatc aatcgcnac atagtgggct taaagcagct ccccttttta 360  
acctacntat ctggcaaac ngcagtcttg aantgaactc agctngaatt tttttcctga 420  
actgaacant ttttnggtc ctgctgcngg ctggttttaa atgatggtgg aataaaaacc 480  
cc 482

<210> 3039  
<211> 394  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

## 2562

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (376)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (384)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<400> 3039  
gataatttta taatgttggt ttttggtact ttaatacatt tattgncctg aaataaatca 60  
cctcatttat cttttaaaaga gtgtgtaagt gcctgtattg ttttctgagg naaacagtcc 120  
tagtttttaat tagaatgaca tagagttctg tctaaaaacc tcgaaaactt aaggaaccac 180  
tgtgaaacat ccatctactt acaccattc caaccccaaa tcagtactga acaccaaaca 240  
tgtacacagt tgtcatgatc ctcatcacac ttgtctcaac taaataatgt taccctcca 300  
ccctccac tgaagatctg cctactgtat ttctacctga gggttcaaac agggttcttc 360  
tatgaaagtc tggtnnactc ntcnngtctg tatc 394

<210> 3040  
<211> 114  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2563

<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<400> 3040  
gcggcacgag cggcacgagg gggggcccg g tacccaattc gccctatagt gagtcgtatt 60  
acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaaccnaaa nnnn 114

<210> 3041  
<211> 61  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<400> 3041  
gcggcacgag agtttgTTTT ttttttaaaa tngggctaaa ntttnttggg ngcaggnccc 60  
c 61

2564

&lt;210&gt; 3042

&lt;211&gt; 106

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (99)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (103)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (106)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3042

gcggcagcag ggggggcccc gtaccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttaaacgt cgtgactggg aaccccaant tnntnn 106

&lt;210&gt; 3043

&lt;211&gt; 438

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (303)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature



## 2565

<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (411)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

<400> 3043  
gcaaagatga gaattacccat tcctaacgtg aaaccaggat tggagacagc tgtnccttgcc 60  
caatttagta tcagtagcca gtgttacaac ttaattcctt cattggtaag gaaattgaac 120  
aaaatggact ctctcagatt ccctgttaga atctgagagt tccaaggcac tggaggaacc 180  
tttcaggtaa gcctttcttc cacctaagtt agcacagtca gtgtctgaga aagatttgtgt 240  
ggaatgaaag caaaacctta aatcttgaat tcagggttat atttcattcca tcaactctttc 300  
tangaagctg ttatgctgtt atgaaatgaa tgcagggtttt tggcactaga atgaacctgg 360  
gttttatattt ggntcctgtt tgaataccat tgtgtttggg tgaaatttcc naaantttgc 420  
canttgcnc a ttttcccc 438

<210> 3044  
<211> 154  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (94)

## 2566

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<400> 3044

```
gaaaanggta atggaaacat ttcatatgaa gccaaagtctc actgagatca ccctactgct 60
taataattca naaaattttc acctgcaaag tgtnttggaat tttatgtntg tggntgaaag 120
ccatcttnta caatgcttaa tcacatctct gcct                               154
```

<210> 3045

<211> 128

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

2567

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (117)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (125)  
<223> n equals a,t,g, or c

<400> 3045  
aggmntnccc taaaaagttt ataaaagatg gtanctccac cgcgggcccg ggaagaatct 60  
agaactaatg gatcccccg gctgcaggna attcggcacg anaggcacga acgcctnttt 120  
catcnatc 128

<210> 3046  
<211> 116  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

## 2568

<220>  
 <221> misc feature  
 <222> (113)  
 <223> n equals a,t,g, or c

<400> 3046  
 aactattgga tccncgggc tgcangtaat tcggtacgan gtgaaaagga naaccccatg 60  
 cgggtaactt cgcattccnac aaactctgtc tcaacattct gtgtcgggga gantgc 116

<210> 3047  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (295)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (306)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (314)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (327)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (346)  
 <223> n equals a,t,g, or c

<400> 3047  
 gccctctcca cctgctgtgt acaaaggaga aataatcact ccacaccga ctgaacattt 60  
 tctaacctta tcactgtggc agaaactggc tactcttcct cctgggtaga cagccaggct 120  
 gtatttcccc gctgcccctg cagtgtgagg tagccattgg agccggcgca ggccaaatgg 180  
 actctgcact ggagtgtcac atgtgtcttc caggcctgtc cctcaaacct cccacatgtc 240  
 ctctgtctgc tcttctcact tccaaggagc gtgaccatcg tggaaacccc aggttnagcaa 300  
 tggcanattg ggagcatcc atgggangaa actgggttcc ctgacntaaa gcatcatgga 360  
 at 362

<210> 3048  
 <211> 247  
 <212> DNA

## 2569

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

## 2570

&lt;400&gt; 3048

```
gggggggggnc naaactccta gctcntaagg gtcctcctca acaaagggaa caaaaggccc 60
agctccacca angttgccgn tcgctctaga actagtggat cccccgggct gcaggaatcc 120
ggcacgagcg gcacgagggg gggcccggta cccaattcgc cctatagtga gtcgtattac 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accccaagng tnntngtttc 240
ttcgtcn 247
```

&lt;210&gt; 3049

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (7)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (10)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (14)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (35)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (107)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (122)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (123)

2571

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<400> 3049

```
attactngan tgtngacccc ccactcaatc atatnccana tctctccctc actaaacgta 60
agccttcttc tcattctctc aatcttatcc atcatagcag gcagttnagg tggattaaac 120
cnnacccagc tacgcaaaat cttagnatac tcttcaattn cccacatngg atgaataata 180
gcagttctac cgtncaaacc taacntaacc attctgaatt tactat 226
```

<210> 3050

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

## 2572

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<400> 3050

```
gggaaaattc cagattatgt agctttacat gttagggacc ctaaagaaac aaggttgagt 60
actggtaggg tccctgaaaa naatttagtt tccagaccac agattgactt tgatgggttan 120
gattttatna nttaaataata tcaattttta ggtacttttg tatgataaag ttgtattatg 180
attnataata acaagtcctta atttgaggct tactcacttg aggacttttg tacaanaatg 240
ctctttngct gtttttctctg accaattttc nctctgaatg caaaagggtc atatntgata 300
aacactgaaa ttgccaca                                     318
```

<210> 3051

<211> 116

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>



2573

<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (107)  
<223> n equals a,t,g, or c

<400> 3051  
gcggcacnag ggggggccccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttaaacgt cgtgactggg aaaccnaag tgnnntngtt ctccgc 116

<210> 3052  
<211> 55  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)

2574

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (46)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3052

gacntaccc attcagacag atgctgtgnt gtnccctcana accatngtca ttggt 55

&lt;210&gt; 3053

&lt;211&gt; 351

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (193)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (276)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (310)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (317)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3053

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gttttggttg agccatctcc ctccactcca ttgcaggetg tgcactaaac caaggtactt 60
gctgctgtct gaaccatggt gcttctacat cccatgcatg tgcacatgct gtatctactg 120
tctgctttgc aaactttttac ctcccttccc gegagccttc cggggtctta ccctttgctt 180
ctccctcccc tanacattag taaccccttt ctgtgtaagc attaccttca ctgttggtact 240
gtgttacagt tatttgcatg tctgtcctat cctaantgaa ctaagtgcc a ttgattgct 300
cacaaagcan tttggantag gacaaattga agaaaaacct gaaaagttca t 351
```

&lt;210&gt; 3054

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (201)

## 2575

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<400> 3054

```
gattttattg tttccatttc attttcccat atattgaaaa gaacagggcc atgaacagtt 60
cttatggaat atggtttgat atatatatttg ctgagttgga ctaacacccat ttgtttttgg 120
ttacattcca ctaacagAAC atggcaagat aagtttatgg tcagggttgg ttggtgatcc 180
tcagtgttgc tgcgcagtaa naaggtgagt ttgaggtgag aggaacaagt angaaagaat 240
gatccccctga accacctcct cactttctta ctttcaaccc cacctangtt ttgtgaacct 300
ggacttggaa aatgttcggt acccagtc 328
```

<210> 3055

<211> 100

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 3055

## 2576

ctccaccaaa ggggcctttc gctcnaagga actagtggat cccccgggct gcaggaancc 60  
cgcacgagcg aatccntaat ccttctaata nctntcctct 100

<210> 3056  
<211> 135  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (135)  
<223> n equals a,t,g, or c

<400> 3056  
gggggatctg cnagtctaag ttctctcac aaaaaggga caaaaggccc agtccacca 60  
acggtggcgn tcgctctaga actagtggat cccccgggct gcaggaatcc ggcacgagta 120  
aanccnaca naaan 135

<210> 3057  
<211> 168  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (12)

2577

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

## 2578

<220>  
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<222> (156)  
<223> n equals a,t,g, or c

<400> 3057  
gggtccctgc tnaccaaagt nacagctcta ntcccctgta cttctctggg gttngcctag 60  
ttaaacgnat atgctngggg gaggagctcc tggcangact ccacctgtaa ggantcataa 120  
gacatcttng annnggtcac ccttgctctg acttgncccc atacctac 168

<210> 3058  
<211> 53  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)  
<223> n equals a,t,g, or c

<400> 3058  
gcaanaagtc tgatggccac ctgantgcan gtgacaagga ccngacacan ccc 53

<210> 3059  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

2579

<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (99)  
<223> n equals a,t,g, or c

<220>  
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<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (136)  
<223> n equals a,t,g, or c

<220>  
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<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (176)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)

## 2580

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<400> 3059

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gaaaaaactan ttgggttttgt ttgggtcagtn ctattgaatt tgtttgtggt tttaaatttc 60
ntnaaaatatt ctacttttat ctatttccat tcatctatnt gtgtttatatt tgctattttt 120
gtncgtgtttt tttaanccccc ttganttaaa aacctaataa cccaaaataa cttgtnaggc 180
tataaattncc cctgantatt gcttcantng tatcacaaaa gttttgaaa 229
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<210> 3060

<211> 67

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 3060

```
gtctggggcc atccatgnaa aaacaaacna cccggggcac attgggtaaa ctncctgtac 60
gaaaaat 67
```

<210> 3061

<211> 116

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c



2581

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (114)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<400> 3061  
gctcgtgccg aattcggcac gagggggggcc cggtagcccaa ttcgccctat agtgagtcgt 60  
attacaattc actggccgctc gttttacaac gtcgtgactg ggaaccnnaa aannnn 116

<210> 3062  
<211> 236  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (121)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (189)  
<223> n equals a,t,g, or c

<220>

2582

<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (230)  
<223> n equals a,t,g, or c

<400> 3062  
agttcgcattc ctctctaaca ctggaatgca ctggagggtct tggcacatac atttttttgca 60  
tggttgactca gtaaacatac catatatatg actctnatac tgattacacg tagtaatcag 120  
natgataatg aaatacctat aataaaaattc ggagaaaagg anagtaaaat ttatcaaaaat 180  
atttgtccnc ccnggagggtg tatttcctct ttataatgtt nctctctatn gcatag 236

<210> 3063  
<211> 56  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<400> 3063  
aaaaaaatga agtaactgat ttntctaaaaa aaaaaaaaaa aaaaattccn ncntta 56

<210> 3064  
<211> 515  
<212> DNA

## 2583

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>

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<222> (184)

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<222> (368)

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<222> (424)

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<220>

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<222> (435)

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<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<400> 3064

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gcagaatttta aggagccact cattctcagt gttgtgcaag ctgatcctgc aattgcacag 60
agtaanagcc tctttaaatt ttgcattcta aacacctctc ttgtcttgtg ttagtcaana 120
acctgctgta ctagtaggta aaatgcatac tttaacatag ttaccaaggt cattatattc 180
tcanagatcc tttgtgccat taagtaattt gattttttata tgccaaatcc ttttgatttt 240
tcttggttttg atttcctatt gggccatttt tcttttcttg taaaaccgta ttgctgttaa 300
taaaaatttat ccttgaatat tgccagtgtg tggataacat ccatctgtta ctactgactg 360
cttactcntc tgtcaaatta ttgaagggtgc tgaacataat gaagcactta gtcaaaaact 420
ggantgggttc caatntncat ggaaggaatc cccgaacttt acaaattccc ccnctaattc 480
```

## 2584

tcaattccaa aatttccatt attctggact gggcc

515

<210> 3065

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

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<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 3065

aacggcacna gggggggccc ggtacccaat tcgccctata gtgantcnta ttacaattca 60

ctggccgctcg ttttacaacg tcgtgactgg gaaaacccaa agnnt 105

<210> 3066

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

2585

<220>  
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<220>  
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<220>  
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<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (279)  
<223> n equals a,t,g, or c

<220>  
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<222> (346)  
<223> n equals a,t,g, or c

<220>  
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<222> (370)  
<223> n equals a,t,g, or c

<220>

2586

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<222> (380)  
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<220>  
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<222> (389)  
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<220>  
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<222> (398)  
<223> n equals a,t,g, or c

<220>  
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<222> (440)  
<223> n equals a,t,g, or c

<220>  
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<222> (441)  
<223> n equals a,t,g, or c

<220>  
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<222> (443)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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2587

<222> (504)  
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<220>  
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 <222> (509)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (525)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (527)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (531)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (535)  
 <223> n equals a,t,g, or c

<400> 3066  
 gtgacctctt ctccttggtg agcatctgtg acttaagtaa tatgatggat ttngctgatt 60  
 aaaaanattct gttttncctg gagtgtctga aacataatta naaaaatatg ggtctncatg 120  
 atgggttaaaa acaccttttg gactanagca aatcactgtt tttaatatga caanattgag 180  
 gctatataat ttaaattccca ttctactact cctaagccaa ctttctgaaa ctcttaattn 240  
 aactatcctt tgnaggcaa aaaattcctt tcttttcant agaaattaat attagccttg 300  
 aaaaaatgac ccttctgata ggttttttaa ataattaact ccaaantgat tttatttttt 360  
 tcccaaatan tgggttggtan tttggcgng gaaaaccnta attttttaa ac attgtgttcc 420  
 ttatttccca ttttttcccn ntcttntan aattatattt tatattttgc tttcttcccc 480  
 naaangattt taaaccccca tttntttnt ttccttataa aatcncngtt ngttnagtta 540  
 tt 542

<210> 3067  
 <211> 540  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (11)  
 <223> n equals a,t,g, or c

<220>

2588

<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
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<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

<220>  
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<222> (257)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature



2589

<222> (392)  
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<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (443)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (477)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (512)  
<223> n equals a,t,g, or c

<220>  
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<222> (540)  
<223> n equals a,t,g, or c

<400> 3067  
ggaattttttt ngctcaaagta ccttanaata ttatatattgaa gtttngttat ttgcatactt 60  
attaattttnc agcacacagt caggagtacc ttanaatatt atattgaagt tttattattt 120  
gcatactttat taatttttcag cacacagtca ggctctcatt ttgtgttttg ttgaaatagg 180  
accaggaata ctgagcancc caaaatgact tgtatgtagc tttaaaatgt gcttttagttt 240  
ttttttcaaat ttgttttncct aaggctaata tnanatgttn agcataaaact tacattttgt 300  
tttacaaaac tatatnactg aaaaatttgc ccttgccaat atgttctgat aaatgaaagg 360  
tgattattttt acattaacat aagtgttgcc ancttgatgt ttgtttgatt ttaaaaaaaaa 420

## 2590

gtgagtnact gttttaaaaa aanaatatta tcttttaaaa aaaaatgttt tggctctntca 480  
atttgaatcn aatatnagtt attaatacacn anttatatag ctttaattta agtttttgan 540

<210> 3068

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (257)

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<220>

<221> misc feature

<222> (266)

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<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

## 2591

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

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<222> (365)

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<221> misc feature

<222> (397)

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<220>

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<222> (398)

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<222> (411)

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<222> (458)

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2592

<220>  
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<220>  
 <221> misc feature  
 <222> (507)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (516)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (518)  
 <223> n equals a,t,g, or c

<400> 3068  
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 gttgggcttc tgtttttctc agaacgggga cnatcatggc ccccgctcc tggantgaag 120  
 gctggggaca gaattagagg acccaggtac ntgctcagca ggaagccact gatctgtggg 180  
 accctgggtcc cgggtgtcttt gccggcctca caccgcttc cctctanttc cagttgttcc 240  
 tgagtaaagt ggaaganacg ttccantgta tctgctgtca ngactgggtgt tccggcccat 300  
 caccgacgtg ttgccancac aacntgtngc aangantgcc tggacanatc ctttcgggca 360  
 angntttcac tgccctgcct gcgctacaac ttgggcnnac tatgcctgca ngttaaacia 420  
 ctctgcaaac gtccctcaacc actctccccg gctacggnat tgccgggtgaa ctccaagcat 480  
 tctcganagg ggttttgcta aaaactntcg aagggnctc accggactta attt 534

<210> 3069  
 <211> 538  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (90)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (113)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (145)  
 <223> n equals a,t,g, or c

## 2593

<220>  
<221> misc feature  
<222> (214)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (525)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (534)  
<223> n equals a,t,g, or c

<400> 3069  
gtgacattttt tacattcaac tttaatttaa atgctgaatt taaattttaa tgctgaaaat 60  
ttattttaaac acttaaaatg atattagaan aggtatttta tgttttttaa canagatata 120  
tttcattttt atatgcagtc aacanatcac atgtgtatgt ctcttatgtg tccctgtgtg 180  
ggaatagctt gaattactac ataagttctc tganaatatt aagttcattt aggggaacag 240

## 2594

gacatatcta tatgaaaaac agaaatnata ctacnaacaa aagagagatc acgagataac 300  
atgttatttaa ttctcagtga atgacatgtc atgaatcatc agaagagatg aggatatggg 360  
aaaagcttta tgaaagtatc ngaacataag gaagatcggg tngttaacag aagactttca 420  
ttgtgggtatt anttatatga ttcatgttaa atntatcata gtgaaattat gctcttctta 480  
cttgtaattt acaaatattc ttaatatctt ttaatcttcc ttaanaaaaa accngggc 538

<210> 3070

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (167)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (203)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

## 2595

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<400> 3070  
gctcgtgccg aattcggcac gaggttttac cctactcacc aaacgcctca accgcctttt 60  
catcaatcgc ccacatcact cgaanangtt aaatttatgg gctngaaatc attcccggt 120  
taccctttca acgccccaan ttgggggggcc ctcccaaata atttccnttt ttaaattctn 180  
ggcccttcct ttccccttta acnaacaatt ncccgggggg cncaaaaagg gccctttaat 240  
tt 242

<210> 3071  
<211> 64  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (57)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<400> 3071  
gttcagttnc attttactan tcaatcttac gggntacac atcctttaat tatactngtt 60  
tnta 64

<210> 3072  
<211> 427  
<212> DNA  
<213> Homo sapiens

## 2596

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (181)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (276)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (395)  
<223> n equals a,t,g, or c

<220>



2597

<221> misc feature  
<222> (421)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (424)  
<223> n equals a,t,g, or c

<400> 3072  
aaaacattcc ntttgaaaga tgatcatgcta ttgtataaat gaatnctcct ggaaaggatt 60  
gccttttccta aagaaaaatat ttattagtgc caaataattc aaatgggtata acaaagttaa 120  
gtgaaaaaat cagtatgtgt tgtggtanct gcttggatag gggtagcatc ttgtctggga 180  
ntgtataacct atgctagitt cctccttttt attttttgcc ttcattcttc tgaatttaca 240  
tatttcctaa aaatttccaa attgcttttc aggaanattt caaggcattg gggaagggtta 300  
tgaanccnga aggaattgaa aacccaaaata attaatattta taaattaaag ttaccattac 360  
atccanaatt ggcctgaaaa tccccccncc tcacncttgt ttgtcttggg caaatgttta 420  
nttnata 427

<210> 3073  
<211> 217  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (87)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (162)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (186)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2598

&lt;222&gt; (213)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3073

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aaattttctgg gattcttgaa agcatgggct ctctccgcac tgagtctagt ttcactgctt 60
cttactgggtt ttaatcttta atgttanacc tatgtttatc ccttattaaa atttccccct 120
gctttaattt caatgttcca atgtcaaana tcttataatt cnaaatgttc tcccaagggt 180
gggtcntaat ttttttttaa aattttanta aanattt 217
```

&lt;210&gt; 3074

&lt;211&gt; 529

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (105)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (184)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (297)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (341)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (343)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2599

<222> (352)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (360)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (373)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (397)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (468)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (510)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)

2600

<223> n equals a,t,g, or c

<400> 3074

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ttgaatgcat gtacanatac ctatTTTTTt atctcagttt gtaacccatg catttggggt 60
tggagttggc atgcagtgaa acctacagta tttatcaata tgtantcagt aactgtatTT 120
ttgatcagct tcctTTTactt ccctaacatt tttaggtaaa aacaggaagt cttgttcctt 180
tttTctcccc aaatcattat gccctgtctt tttgttattc taaaattaag aaataggggtc 240
ttaaaaaagcc aaaaacttcc catgaagtga attatantaa aggctttcct tgggatnaaa 300
aaatcaggggt taaaactgtg ggccaacaat atTTTccaaa ngnacaaaac anctcctatn 360
gaaaaaaaaatt ganaattgan tatatgaacc aaacatntac tcctTTTcca atattgctaa 420
aaatcanttc ttccattaaa aactaatctc taatgaaant aattttcnna aactatgaat 480
taaaaaatttt ttaatgggtt tccatctgan tcctgaaacc caaatangt 529
```

<210> 3075

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

## 2601

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

## 2602

<220>  
 <221> misc feature  
 <222> (305)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (309)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (343)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (349)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (352)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (364)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (381)  
 <223> n equals a,t,g, or c

<400> 3075  
 naaaatatnt atttttaaaa aaccanaaaag gtatggaaaa aggattgctc tcgacgttaa 60  
 aaacatcagc ttttctgttt ttttncacca tataaattan agtntnctnt cgaanaatgg 120  
 gtggtgggta tggtaacanac cataacaggc tactttgctg ctacagtaag gcntgaaaaa 180  
 nttcagcgaa ttttactgtc ttgcanaatt tgggggatta cnaaatggaa aactgctata 240  
 taatnttcgn caaaaatgat tgcattgtgt gacttatatc ctntctattta ttggcttgag 300  
 tgcanggana ttttataaaa aaatctgggt tgggttatca aanatcttng antgggggatc 360  
 aaanaatgct gggaaatttc ngagctaaac tggaattaat cttaggaaac t 411

<210> 3076  
 <211> 56  
 <212> DNA  
 <213> Homo sapiens

<220>

## 2603

<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<400> 3076  
gcnnctccag ggggggnccg gaaccaattt cgcctatan tgattcctat aacgat 56

<210> 3077  
<211> 103  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (100)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

## 2604

&lt;400&gt; 3077

gcggcacnag ggggggcccc gtaccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt ttacaacgt cgtgactggg aaaaccaaannnn 103

&lt;210&gt; 3078

&lt;211&gt; 422

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (59)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (138)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (177)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (237)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (260)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;



## 2605

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<400> 3078

```
gtgagattgc aggcgtaatt aaatgccttc ttgaggactt ttataccttc ctcttgaana 60
cataaatcca nagcttactg gtggttgtct gaaaaanac acatcttgta ataggagtca 120
tacataaata tttctganat ctccctcata cttaaccacc gtgcctggaa aatgcanaca 180
actgtattca gtaaatggta tttgaatata agtaaatcaa aagtgtcgtt tccatanatt 240
ctgtagatgt taccacttan aataattacc tgtctaaccc ttaacaaatt ctaccgtata 300
ttctcaagaa cttttgcaaa caccggggat tcccaaaaac aatgttggga attgttttcc 360
aattttcctt ttgaaaacct ccaaaaattt taaattcatt acctttttac ctncanttt 420
tt                                                                 422
```

<210> 3079

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2606

<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (451)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (455)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (457)  
<223> n equals a,t,g, or c

<400> 3079  
gcggcagcag accttactac cagacaacct tagccaaacc atttacccaa ataaagtata 60  
ggcgatagaa attgaaacct ggcgcnatan atntagtacc gcaagggaaa gatgaaaaat 120  
tataaccaag cataatntag caaggactaa cccctataacc ttctgcataa tgaattaact 180  
agaaataaact ttgcaaggag agccaaagct aagacccccg aaaccagacg agctacctaa 240  
gancagctaa aagagcacac ccgtctatgt agcaaaatag tgggaagatt tataggtaga 300  
ggcgacaaac ctaccgagcc tggatgatagc tggttgtcca aaataaatct tagttcactt 360  
taaatattgcc cacagaacct ctaaatccct tntaaattta actgttagtc caaanaagaa 420  
cagctctttg gacctaagaa aaaacttgta naaanantaa aaatttacac catagtaggc 480  
ctaa 484

<210> 3080  
<211> 471  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (155)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2607

<222> (245)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (434)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (470)  
<223> n equals a,t,g, or c

<400> 3080  
gcttagccaa accatattacc caaataaagt ataggcgata gaaattgaaa cctggcgcaa 60  
tanatatagt accgcaaggg aaagatgaaa aattataacc aagcataata tagcaaggac 120  
taaccacctat accttctgca taatgaatta actanaaata actttgcaag gagagccaaa 180  
gctaagaccc ccgaaaccag acnagctacc taagaacagc taaaagagca caccctgcta 240  
tgtancaaaa tagtgggaag atttataggt agaggcgaca aacctaccga gcctggtgat 300  
agctggttgt ccaaaatana atcttanttc aactttaaat ttgccacag aacctcttaa 360  
atcccttgta aatttaactg ttagtccaaa agaagaacag ctctttggac ctangaaaaa 420  
acctgtgttaa ananagtaaa aaatttaaca ccnnttagta ggcctaaaan c 471

<210> 3081  
<211> 103  
<212> DNA

## 2608

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<400> 3081

gcggcagcag ggggggccccg gtaccaatt cgccctatag tgantcgtat tacaattcac 60  
tggccgtcgt tttaaacgt cgtgactggg aaaacccaan nnn 103

<210> 3082

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

## 2609

<220>  
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<220>  
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<222> (294)  
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<220>  
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<222> (308)  
<223> n equals a,t,g, or c

<220>  
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<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (344)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<400> 3082  
gctcgtgccg aattcggcac gaggagaaat cgtggnatga aagananagt accagtgatg 60  
acttcttata cctggagctg ggctttcact gctaccata tcccagccct gcgagtctgt 120  
tctagccagc acagacaccg cagatccgga actgaatgtt cctaaatggc gcagccaatc 180  
caggcttttc anaaactggg caaaaacatt aaaatgggga caatcgggtc ttccgcagtg 240  
gtccaacaca ggatttcttt taaatgtttt aaaaacatgt ccttaaaact tcancctgct 300  
tcttagcnag tgggccagtt ttgcttaaaa ctggtgnggg ggcnngggga aaatttttta 360  
aaaantgccca aaaa 374

<210> 3083  
<211> 516  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2610

<222> (281)  
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<220>  
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<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (359)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<220>  
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<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (463)  
<223> n equals a,t,g, or c

<220>  
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<222> (473)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (498)

## 2611

<223> n equals a,t,g, or c

<400> 3083

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gctgcaaatg cttctttaag caaaatataa gtgtgtatct tatagaaagt aatgcaatat 60
caccagtctg aggtttggag tgtattaagg tacttggttt ctggaaatct ttttaagctt 120
ggaaaccttt aaacctgcga cttaaaaaag gatctacagc tatctnagta ggtggccttc 180
tgtgtcttgg ctaatttttaa agtgtggtgt ttgtttctta cgcaaaaagg aacaaattta 240
aatcactagg tactcaacca acagatttca gtgtggatta nttaagaaat aattgtagtt 300
cttgtgtggt ggcacaaaatt tttttcccta cattttgttt atgcagactg tcttntatnc 360
cttcacacctt ttcttttttt ccttgaanaa angaaatcnc aattttgttt attggatgct 420
ttgaaaaaaa tccgaaggga aagaaaaaac caaactgact gtnaatactt tcntgaattn 480
gataattttg gctnaaantg ccaggcccca tcctggg 516
```

<210> 3084

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<400> 3084

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gcggcacgag ggggggcccc gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttaacaact cgtgactggg aaaccnaaa 99
```

<210> 3085

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

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<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

## 2612

<220>  
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 <222> (254)  
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<220>  
 <221> misc feature  
 <222> (272)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (309)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (317)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (334)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (354)  
 <223> n equals a,t,g, or c

<400> 3085  
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 tgtattaaat tcattcattt aataaaaataa tatgaattgc atgcccacag tgtatcaaac 120  
 ctggcactgg gcaccttggt gctgtaggtt cagtgaagcca tggcctctgt atcatgggtcc 180  
 agatcatgtg tttagtggga gattaaacaa attantcatt gaacaaatca ctacaagtag 240  
 tantgatata aaanaaaagt atagtttctga tnaaattgaa caatgggagg tctaaataaa 300  
 tccattcana cttgaanaat ggcaattatc tganacccaa gatatggaaa aatnggtaaa 360  
 aggcatccct ggctcttcct taacacacta aatatctgct ctcttaccac acccgtactt 420  
 atgcaaattt gttcaaaaata atcattcccc ggacttcaaa tcc 463

<210> 3086  
 <211> 523  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (69)  
 <223> n equals a,t,g, or c



## 2613

<220>  
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<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (296)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (297)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
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<222> (354)  
<223> n equals a,t,g, or c

<220>  
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<222> (357)  
<223> n equals a,t,g, or c

<220>  
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<222> (362)  
<223> n equals a,t,g, or c

<220>  
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<222> (381)  
<223> n equals a,t,g, or c

<220>

## 2614

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<220>  
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 <222> (394)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (470)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (482)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (492)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (505)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (517)  
 <223> n equals a,t,g, or c

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 ttgagaaana caaaagaagg ggttggctca ttggaatcag ctggacagct tttcaaaagc 120  
 tacacacctc cctctctcct tcttctcatc agctttccct gagaaaccac tgtcttaaac 180  
 tttatgatcc cagtttagtct gatttcatta actgatacag atngtttgct ttcattaact 240  
 atatttggcc tctgttaaca tatcttaagt tatgttttnaa canttttttc ttttannagg 300  
 tttgttggga aaaaaaattt tttccttttt tgaaaaagaa ccaaacaact nccngtnctt 360  
 angtttcctg ggaatctcca ntgggggttna aacnaatccc gggccttgaa tccccaccaa 420  
 tactcttctc ttgggctctg ttttattaat aaaaaggaac ctggggaaaan aacaaattaa 480  
 tnttctttaa anaataacac tcccnaccac ctgttcnttt tcc 523

<210> 3087  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<220>

2615

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<220>  
<221> misc feature  
<222> (24)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
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<222> (61)  
<223> n equals a,t,g, or c

<220>  
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<222> (108)  
<223> n equals a,t,g, or c

<220>  
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<222> (111)  
<223> n equals a,t,g, or c

<220>  
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<222> (114)  
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<220>  
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<222> (139)  
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<220>  
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<222> (141)  
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<220>  
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## 2616

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<220>  
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<222> (179)  
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<220>  
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<222> (186)  
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<220>  
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<222> (187)  
<223> n equals a,t,g, or c

<220>  
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<222> (191)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (201)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
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<222> (237)  
<223> n equals a,t,g, or c

<220>  
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## 2617

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<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (323)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 3087

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nccccgttct tgctcttgac cttnncatta aaatgggggg gggggctctt nccaaaaaat 60
nccactttct tcccaagggg ggaaaaaacc tcccgggggg cccttggnng naancccccc 120
cccctaaaaa accctttgna ncaaaacccc ttacttttcc cccaaaatgg aagcnttgnc 180
ttttgnnggg ngggccaccc nccaaaccta aatgattttt ncttcnaaat ttnccttncgg 240
ggaatncaat ctaattggan gttttnaaaa gccaaaggga accttccccc aancttttgg 300
taataccctg gtttggtccc atnatgggat cttgggttca actttttntt t 351
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<210> 3088

<211> 544

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

## 2618

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<220>  
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<222> (149)  
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<220>  
<221> misc feature  
<222> (203)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
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<222> (217)  
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<220>  
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<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (238)  
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<220>  
<221> misc feature  
<222> (239)  
<223> n equals a,t,g, or c

<220>  
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<222> (265)  
<223> n equals a,t,g, or c

<220>  
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<222> (271)  
<223> n equals a,t,g, or c

<220>  
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## 2619

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<220>  
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<222> (286)  
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<220>  
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<222> (290)  
<223> n equals a,t,g, or c

<220>  
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<222> (297)  
<223> n equals a,t,g, or c

<220>  
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<222> (299)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (361)

## 2620

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<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c



## 2621

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<220>  
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<222> (432)  
<223> n equals a,t,g, or c

<220>  
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<222> (470)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (502)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (513)  
<223> n equals a,t,g, or c

<220>  
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<222> (524)  
<223> n equals a,t,g, or c

<220>  
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<222> (533)  
<223> n equals a,t,g, or c

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aatgaagatg agaaacatca ctntacaaac cagttanact atccccaatt tgggttgcac 120  
ttaacttgaa agccaaaaaa aattttgggnt tcctggcctt cttgccaaaa gcttaaaaaag 180  
ggttttgaact ttttgttgaa aanaaaaaacc aanttttnaaa aaaacntggt tctttccnna 240  
aaaagaaaact tttaggggct tgggnaaccc nccccnaaa aaaaanttan aaaaaantnt 300  
tggaattcnt ttttcccaaa aaacttgggg naattttttt tnaaaaanaaa aattcccctn 360  
naaaaaattcc ctttccccct ttttgggggg aangnnaaaa nnnnnnaaaa ntttncccc 420  
cccccccttt tnaaatattg aaaaactttg gccccccctt ttttgaaaan tttttaaaaa 480  
aaattttttt tgggggaaaa tngcccccca aanccccccc ctgnaatttt tgnaaaaaatt 540  
cttt 544

<210> 3089  
<211> 587  
<212> DNA

## 2622

<213> Homo sapiens

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

## 2623

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<222> (514)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (523)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (566)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (568)  
<223> n equals a,t,g, or c

<400> 3089  
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tctanagcac tttgtctttc tcgtanttca taacttacct cttcagtcta gaattagaat 120  
tacattatct gttttactac tttactagac tgtaagctcc tanaagataa ggactaggga 180  
gttcatctct gtattccacc agaaggtaca gtgactcata actagagtct ttanatgaaa 240  
cttactgagt tgaataactt aatatatttc tgttttcatt cccaagggan gccatgtctg 300  
gagatagacc ttgaatttaa taaatttttag gcactatacc atttcagtgg anaaaattgt 360  
tgggaaattt ggggggatng atatataaag gggaggagtt cactgggcca ntttgaangt 420  
gcttccattg gtctgggggt actaaccatt tcttctcgaa tgggtgcctag tatatcccca 480  
acagtttggt tcctatnccc aaaaaattta tatnaaattt tcntttcttt gcaaaaactt 540  
gttccttctc tccattcatg aaatcntncc atgctaaatt ctaattc 587

<210> 3090  
<211> 106  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)

2624

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<400> 3090

gcgggcacgan gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgctcgt tttacaacgt cgtgactggg aaccnnaaat nttnnc 106

<210> 3091

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

## 2625

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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (315)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<400> 3091  
gattgtatac gtgattcgtg caacagcttc tgaatttttt cctccctcac ccaccttaca 60  
nccattagtc ctatnataat ttaatttggg tttgttggtg tagaaactgt atttgcacaa 120  
taatgataaa gccactcagg ctcacttagt cattncctgg atttatgtgt gtacgagtac 180  
ataaaaaataa gggcactgat ncgtntggta cttgtctnaa atggttattc ttcagtngtt 240  
caaagggtaca caaaatgctn ttttctttat aaggtaaaaa tacttggagg ttataagaaa 300  
ataactctta actanctnac tttgantggc tttgatattt ntttctcata ntggaatcca 360  
taacctt 367

<210> 3092  
<211> 529  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature

## 2626

<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (211)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (421)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (427)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)

2627

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<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

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<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<400> 3092

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taatttttatt gtactgttga taccatgctt tttctttatc caagaacatc cctatttaaac 120
aaacatgaaa gaaaataatt gatttataac ccttttttaa gcagaggcac ataagtctat 180
agagtggtag tgtnagtgtg tgtactanan naacaaagga aacctgtctc agaacatttg 240
gatttggttg gaaacttttc attttctgtc tcatagagcc caacttactg agtggcactg 300
cccatantgt gaacaaaana gtgtntaaag acgggactgg acatggaaaa ctcaaaaaat 360
cctttctctc tcttaccttt gtgcgattga accatcttac ctatnacagt gaatcttaat 420
natgcantag tntttctent gtntccttct gaaagaaaat ccgngttgtt ttattcttgt 480
aatattctgc tctaataaat atgtaactgt attcntagag aacgatttt 529
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<210> 3093

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (179)

## 2628

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<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c



## 2629

<220>  
 <221> misc feature  
 <222> (490)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (491)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (516)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (527)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (564)  
 <223> n equals a,t,g, or c

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 agctggggga ttctccaatt aggtctagga ttttgtggtc tcatatcagt tttttgcttc 120  
 tgaagtcttt catggtacan aaatggggan agtattttgtg gggggttgtg ccacatganc 180  
 gaatcagggga gatgagaaaa tgcattggata tattcaggaa ataattgagta nccagttggg 240  
 taaacatatc tatccatcta aggtagggtg ggaacacctt gaaaatggtc atgggaattt 300  
 attanaaacc atcaacaagt tgggtctgggg atccaaaaaac tgaatgaatg ttngcctgtg 360  
 gattttcanan caattggcag cagtgcctaaa tccccgggtc ttggggccctc ttcaagtctc 420  
 ncctgaaccg tggcctcacc gagtcaaaan ngagttnctt ccgctgcacc aaacacacct 480  
 ncaccaccan ntgggttttca tttgacgccc aacacnccca tgaacanact tggaaatgtc 540  
 cattcaaagt aacccttaag cctn 564

<210> 3094  
 <211> 551  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (154)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (174)

## 2630

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

## 2631

<220>  
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<222> (444)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (446)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (462)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (519)  
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<220>  
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<222> (540)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (545)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (551)  
<223> n equals a,t,g, or c

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tatcatctgc agagctgtta acctcatttt ccaaattcct atgacacttt tcacaagagt 120  
tatgtttgcc ccagagatct taattcagaa ctanggtcct tcacctttta agangtggan 180  
ctacatgtga ttttcctgac acttgagatc atttgatggt gttaaaatgc tggggtaggg 240

## 2632

```
gttgggaaat gggaaatggg agatgggggt angtnacaa aaaaagttct tgantaaang 300
ctaggaagaa aactatctga ngttacttat ttgcctaatac cttctatatt agaattagga 360
aatgtaaatt agtctccana tccttggtgtt gncttcttaa tcccaccgta nccatgacag 420
acaaattctc accctcncct gctnantgtn tgcaagttag anaanacccc aaatcccccc 480
ccttttgtaa cttcaaattg ggggggtccc aaaacaccnc cggttcataat ttctaaacan 540
tccanaatcc n 551
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<210> 3095

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

## 2633

&lt;400&gt; 3095

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ggtcacgtgtg tctcttttga actgttcagc ttttccgtag gggggaagat cagtcacgag 60
aagcagaaag taactctacc ttccttgatg ccaggagagct ntgatgagaa agaaatccta 120
ggaaaggacc agttccctt attccaactt agcatcactg aatttgtctt tggcaaattg 180
gctttcctca agtctgtctc tgtgtttcag caaggacagg aagtanactg cctcttggtgt 240
tacttgaaga ncagtgttag gggagtgcct angggctcaa ggaagtantc ttctttctgt 300
taacggttgc ccacaggtca gggaccttta ttaagcaaan atttcctnaa attnttcctg 360
gggaaccc                                     368
```

&lt;210&gt; 3096

&lt;211&gt; 348

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (24)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (51)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (62)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (71)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2634

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<222> (124)  
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<220>  
<221> misc feature  
<222> (133)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (193)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (201)  
<223> n equals a,t,g, or c

<220>  
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<222> (205)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (224)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (231)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (236)  
<223> n equals a,t,g, or c

<220>  
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<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2635

<222> (247)  
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<220>  
<221> misc feature  
<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (298)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (303)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (317)  
<223> n equals a,t,g, or c

<400> 3096  
gcggcacgag tgtagttgta tatncacgat gtnattttaat gctaaacagt ncttacagct 60  
tnagggaaaa ncataaaattt ntagttaaat ngccttcata ctgtggattt ttcctcctac 120  
taantaatat gtnggaaatt aagattacac atgttctggg tcccctcaaa ccctacattg 180  
ctacagttca ctntagcaac ncatntcgtg gtgatngggg gatntacgta naaacntata 240  
naagttnttt taaattttat ttattaagga agnanttccc ccaatctgca taaatgantt 300  
atnactgatt ttatcanaat atctgtatta aaggttccag aaaaaccc 348

<210> 3097  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (266)  
<223> n equals a,t,g, or c

## 2636

<220>  
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<222> (272)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (314)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (319)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (337)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (351)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>



2637

<221> misc feature  
 <222> (439)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (478)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (483)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (509)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (525)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (558)  
 <223> n equals a,t,g, or c

<400> 3097  
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 tcttgaaagt caaaggtgat gattaatttc atttagcagg ggaagtggaa taatatcttt 120  
 tgaaataact aagtcacta aattatacag tatgctattc tggttctaag tacatattan 180  
 tcccttggca aatctgttct ttcaaagcat accttcccca aatgagccta cctacttctt 240  
 aaaaaacata ttacacaatg tggntantaat angtggttaag gaangtaatt ttttccatag 300  
 tgggtatgcn aacntttcnt ttgaaatttt tccttanatt taaagacttt ngggaaataa 360  
 aaattngcag ccaaccaaatt tccttgaata gaattttatn cctacttttg ggaaaaaatt 420  
 attttttgtt tnccaaaant tttttttagt tattccttta gaaaatttga aattttancc 480  
 cantttaggg cttttaattg gaacctttnc ccaaagttga aaccttttac cttgaaaccc 540  
 ccaatttttt ttttttttnc attg 564

<210> 3098  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (5)  
 <223> n equals a,t,g, or c

2638

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<400> 3098  
gcggnacgan ggggggccccg gtacccaatt cgccctatag tgantcntat tacaattcac 60  
tggcgcgtctt tttaaacgt cgtgactggg aaaacaaaaa cttnnnggat cnaaa 115

<210> 3099  
<211> 591  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2639

<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (393)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (432)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (447)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (454)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (484)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (518)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (563)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (564)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (578)

2640

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3099

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gtgaatcact gaacactaag ctgtgttttc ttgaagccct gcaaactgaa gctagacaac 60
ttaaacttca gaagaaataa cagcaaccta ttacatata taagctactt tcatacctga 120
ctggtgatgt atggacatca gagtaatatg gcctatatca gtttttcatg attggtgggt 180
ttttattgtt gttttttctc cctacctctc cttattttct cttcctagga cgtgagactt 240
cacaacctgc taaaaatgag cttccctaataaatatgggga cctacctgtc tangaacaaa 300
ccatcctagc cattaaagat tagatnaacc tgagaccaga gatcnnntttc ttctaaaata 360
ctttctccga aagatcttaa aaagacaagg ganaatgttg aaggaaaata atcttgggac 420
ccactctctg ancaaaggaa atcactngga ctgntaggaa ctctcctctt ccataatccct 480
cccnaggatc ttctatctct ggaagtataa ccaattcntg gttcttnctt acgaatcccc 540
atcatttcct gtccttccct tgnnaccttc ctctttnac cccttccatt a 591

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&lt;210&gt; 3100

&lt;211&gt; 104

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (33)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3100

```

ctcttatatt tcccagtctn atctgctgga atnnctatnc tactatcaga ccgaaatctc 60
tacaaaatnt tcttcgaccc cgtgggaaga agatacccat tcta 104

```

&lt;210&gt; 3101

&lt;211&gt; 79

&lt;212&gt; DNA

2641

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (34)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (54)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (76)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3101

ggcctcttga nctatnccaa tgagacgctg gtantcacta agtatgattt ttnaaaagta 60  
ttgttttata aaacanaaaa 79

&lt;210&gt; 3102

&lt;211&gt; 734

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (295)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (313)

&lt;223&gt; n equals a,t,g, or c

2642

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<223> n equals a,t,g, or c

<220>  
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<220>

## 2643

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<222> (435)  
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<220>  
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<222> (443)  
<223> n equals a,t,g, or c

<220>  
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<222> (449)  
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<220>  
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<220>  
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<220>  
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<222> (484)  
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<220>  
<221> misc feature

2644

<222> (491)  
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<220>  
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<220>  
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<222> (587)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (589)



2645

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (619)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (640)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (644)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (668)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (681)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3102

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ggattctttg gcttataaga cacagcatat agaaaattta gttattccca ttaggctgcc 60
ttggtcctag agaattaatc atttaaaaga acctctcatt aaatatgaaa gattttataa 120
tttgcaaaaca cttaagctgg tatgcaaggc aaatgttcaa agaatttttc agaatttggt 180
atttaaacca ttaattagaa actacttatt tctgaaattt ggcataggct tgaaggaaat 240
ttgggtttta ancattttat tcctttttac tgtctaccaa aggggggctta cccngccaa 300
aaattttggt ttnnnaatcc naacccaagg gcatnanaaa ggaatttttt ngtttggtta 360
cctttnnnna aaaaaacccc aaattttttt ttttgaaaaa aattttttct ttttttttna 420
aaaaagcccc ttantttttt ttnaaatang gnttttttta aaaatttgnc cccnnmtttt 480
ttantttaaa ntttttttaa aaaaaaaaaa ttttaattgt tttttnnaaa aaatttnccc 540
cccctttaaa antttttccc cacnnagggt tttccccngg ntttttnana aaaaaatttt 600
tttttttaaa aaatttttnt tttttggggg gtttttttan tttnccectt ccttttcccc 660
aaattttngg ttaacccct nttttttccc ccccaaaatt tccccttccc cgtttcccca 720
aaaatttccc ccca 734
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&lt;210&gt; 3103

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (196)

&lt;223&gt; n equals a,t,g, or c

2646

<220>  
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<222> (208)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (229)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (250)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<220>  
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<222> (332)  
<223> n equals a,t,g, or c

<220>  
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<222> (338)  
<223> n equals a,t,g, or c

<220>  
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<222> (343)  
<223> n equals a,t,g, or c

## 2647

<220>  
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<222> (347)  
<223> n equals a,t,g, or c

<400> 3103  
gctcgtgccg aattcggcac gagcggccct gcctcccgga ccaccctgcg gggcgcacca 60  
ccgatctggg gtgcggggct cggcctccct gcgctcctgg ctgacggtgt gaccttgga 120  
ccgagacgtg caactgtcca aggctctgtc ctatgccctg cgccatgggg ccttgaactg 180  
gggcttccca tggganctgg tacctaantt ggagctgatg cccctggana caccgcangc 240  
cctgcccccn atnctantcc atggtacatt ctggaacact ggccatccat cctactcaaa 300  
ngcctgtcct gccaggggaag gacccacatt cnccttgncc cangaantgc ctggaaaacc 360  
c 361

<210> 3104  
<211> 61  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<400> 3104  
gcggcacgag gtaactagtc ttgagttttt tttttttttt ttanntttaa atnctttttt 60  
c 61

<210> 3105  
<211> 347  
<212> DNA

## 2648

<213> Homo sapiens

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 3105

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gcttacgttt atacttgaga aagtgttgat acagtggcct gagtaggttt nggatttggt 60
ttgcagactg gcttacagcc ctctggtaaa agaattgcag actttcangt gggtaggatg 120
agggattgct gctgctctag gtgcaaatgg attctattta tgtggttttg aataataatc 180
tgggatgttt gcaaacttta cagttcatta tctttcccta taaacaagat gggttggggg 240
tttctagctc tacantgagc attantccaa ccangtttga ntacagctgg agcaaaaaaa 300
ttacttggtt tttttttttt aaatgggcaa ggaacaantt tttttttt 347
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<210> 3106

<211> 419

<212> DNA

<213> Homo sapiens

<220>

## 2649

<221> misc feature  
<222> (137)  
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<220>  
<221> misc feature  
<222> (265)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (403)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (407)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (419)  
<223> n equals a,t,g, or c

<400> 3106  
gatctaatat ctttggtcca gtttgagatt cgacttaaaa agaateccaga agacactttt 60  
gcagagacac agaaagtaac aaagtacaga tgtcatagaa attgtagtcc agcagtacca 120  
ggggagatgt actgggncca aagactctga tcctctagac tacctgtaga gcaagatata 180  
tttccattta tatcatctcc atatggtgac tagtactcta tgatgcatag gttaaataccg 240  
aggttcccta gctttggaat attanattct attnaaagaa atgagattgg gaacattaat 300  
gtcacaaaac ttatttgctc agganttggg cagaactgct ctcttaacct taggctgtac 360

## 2650

cacctggctg aagtttagtc ctctacctc cttggaatgc cncctnctt cccccntn 419

<210> 3107

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<400> 3107

taccgcctgg taaattttcc aggnatttaa gtcccttttc cttntggtga aataccccc 60

ttgttaaaat ttcgcaacaa aaaaaagcna ncccgttcna aac 103

<210> 3108

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

## 2651

<220>  
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<222> (28)  
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<220>  
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<222> (35)  
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<220>  
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<222> (50)  
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<222> (119)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (148)  
<223> n equals a,t,g, or c

<220>  
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<222> (151)  
<223> n equals a,t,g, or c

<400> 3108  
ntttattggn tgtacttggtc aaccaaanaa catanctctt aaaccagaan tttaagaatc 60  
ttaatgggaa atttttggac ttgaatctgg gttcaaaatt tgggtngccc tttccgttnc 120  
aagtttctta aantttctcc ggttttcnaa naa 153

<210> 3109  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>

2652

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<222> (1)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<222> (111)  
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<222> (247)  
<223> n equals a,t,g, or c

<220>  
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<222> (347)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (439)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature



## 2653

&lt;222&gt; (442)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (452)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (460)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3109

nngacntgct	gatattcctc	agngacgtnt	aaggtagaac	gaaaacacct	ttatgagaac	60
cccattccatg	gaatgctact	ccattactga	ctttctcaaa	tgaattgaga	ngtctcaaag	120
gcagagacta	tgagttactc	atttttgtat	ctcctagcag	agcacagctc	tggtgcggat	180
gggacccctc	acaataatgt	ttacatagtt	taattaaatt	cagaaagtta	tcattcattt	240
gcagaanaaa	ttactggtaa	tgaagtacta	tgcagtgttc	cattctgcag	aagactaata	300
cctgctaaaa	catttctggt	taatatttga	taacaaatta	tcccttncca	aaggaactat	360
tgctaacttc	cccacccctc	gacatttaac	cctccagata	cctcctggga	caatggttat	420
ggcaactgga	atctntatnt	cncaaataaa	anccctcccn	cgaattgaat	ta	472

&lt;210&gt; 3110

&lt;211&gt; 103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (48)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (80)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (83)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (97)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (102)

## 2654

<223> n equals a,t,g, or c

<400> 3110

gtcggcacga gggggggccc ggtacccaat tcgccctata gtgagtcnta ttacaattca 60  
ctggccgtcg ttttacaacn tcntgactgg gaaaacntaa ant 103

<210> 3111

<211> 183

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

## 2655

<220>  
<221> misc feature  
<222> (154)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (177)  
<223> n equals a,t,g, or c

<400> 3111  
gcgcnncnc ggtggcggcc gctctatatt aatggatcgc ccgggctgga tgaatgcagc 60  
ccgagccact tnactaccan acgccttagt ccaaaccatt tacccaaata aagtataggc 120  
gattggaaan ngaaaccgtg gcgcaatana tatngtaccg caagggaaaag atgaganaat 180  
tat 183

<210> 3112  
<211> 157  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (26)  
<223> n equals a,t,g, or c

<220>  
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<222> (36)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)  
<223> n equals a,t,g, or c

## 2656

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<400> 3112  
cnttttcagg cctcacacaa tttttntatt aatgancntg atcggaccca agaaaaaaca 60  
aatcncctcc atggggggttc caattttcct ttctccaggc cnanttttaa aanaaacccc 120  
ctccccccga ggttccccctt tnaccttccc aagttcc 157

<210> 3113  
<211> 77  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<400> 3113

## 2657

gggaaatgga gacgggtcatc cctgtagatg tcatgatgca aggggggata aaggtcacn 60  
ttncangcct ngntgga 77

<210> 3114  
<211> 112  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (36)  
<223> n equals a,t,g, or c

<220>  
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<222> (42)  
<223> n equals a,t,g, or c

<220>  
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<222> (58)  
<223> n equals a,t,g, or c

<220>  
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<222> (94)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 3114  
ccttgnggnc tcttaatcag aggccttcgc gggggentaac gntctaaatt ttagtggnntt 60  
cccgggctgc aggaattcgg cacggggccc ccnggtccc ccanaatttt tt 112

<210> 3115  
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2658

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2659

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<400> 3115

## 2660

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gaattcngca cgagcctctg tatagcctcc cagggctctc caaggaagat ggctgagctc 120
catgggcagg gtgtttctcac accaccacag atgggacgtg tgcattctcc tttagacctc 180
catgcaggcc gtccccctgc agccgacctg cccccccgtc ctatgttgca catggtgggc 240
cagagtcnct ggctggtaga atgcttccgg ggctgtgttt acnggcgtgg tgtcatgtgt 300
gaacatcatt ccangaaaag gggcctcctc aagggttaagt ggggtctnna tgtaaacctc 360
gcagatgggtg gccgcaccng gantagaatn ctngggctgt caccacggac atacatcctt 420
cttccgagcc tcgtgatctc tccttccctg cctccaaggg gaagctgcnc ccnnatctgg 480
ccatgctcct gggcctccac tatgtnggtc tacatcggcc ttggaaaaan 530
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<211> 549

<212> DNA

<213> Homo sapiens

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<220>

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<222> (237)

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<220>

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<222> (244)

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<220>

<221> misc feature

<222> (284)

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<222> (287)

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<220>

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<222> (289)

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<220>

<221> misc feature

<222> (291)

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<220>



## 2661

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<220>  
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<220>  
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<220>  
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## 2662

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 <223> n equals a,t,g, or c

<220>  
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 tcctcgtcca cccctaccc ccggtccgt tgtcctttcc ctcccgggac ccgccgcgcg 120  
 cccgccccgc gcgcccgcag tccccctctc actttctccc aacctcgccc tcccacagac 180  
 gtgcccggty ccggtaggct cctctccgca nggcaactgg ctttgggacc ggatganatt 240  
 tgangcagca gcgaacctgg gaccgggctt gtcgtgactc tggntcnent nctgccccgg 300  
 cagcctttgt gacacgganc cctccggctg cctgctcctc ncnctcgca tgggtctgcn 360  
 acattgtggc aattccagan ncttttattg tttgaaaaca gatacnncna attggctttg 420  
 ccgtgcanga atttaaaaat ttcanntcaa ctctgacact catctctctg cttgtctctg 480  
 caaatcagcc tcanaatgan ttctgatttt ntcaaacang cgttatttat ttaaaaattt 540  
 tccaacntc 549

<210> 3117  
 <211> 503  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<220>

## 2663

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<220>  
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<222> (153)  
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<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
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<222> (283)  
<223> n equals a,t,g, or c

<220>  
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<222> (347)  
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<220>  
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<222> (374)  
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<220>  
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<220>  
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## 2664

<222> (498)  
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<220>  
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<222> (501)  
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tttccctgcg agacgcacac agctgagcac ttagcaggca ccgccacgtc ccagcatccc 120  
tggagcanga gccccgccac agccttcnng acngaaattt tgggatnttc ccaagccgac 180  
cttccctccg ccttctccca catgaggcca tctcaggaga tggaaggctt ggccagcgcc 240  
aagtaaacag ggtacctcaa gcccatttc ctcacactaa ganggcagac tgtgaattga 300  
ctgggttgag accaaaccgg tccctgtcct ctagttgcct tctttanacc tccgggcccc 360  
tcctcatccc tgantggccn aaccttgctt tccctgggctt tgccagatgc ttggtttgtt 420  
aagtttttaa atatattttt gttctttgtg gaaaaaatnt ttttttttgc aaggggcccc 480  
ccaaggcttg gganaaangt ntc 503

<210> 3118  
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<212> DNA  
<213> Homo sapiens

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<220>  
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2665

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
<221> misc feature  
<222> (213)

2666

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (216)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (228)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (234)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3118

```
nataaagtta gacgctatatt ctgatacntg gnataatatga ttcatacctta ccatntatcc 60
tcatatcana cttttcaatt atgtaggtgg tttaatgtgc atgctgttna gttaatncct 120
naggaagnat ctgggananaa tatccctnaa tcctanagtn ttcaataaaa catgcctgtg 180
actcttatgn attaaagggtc attttgtctt ctnatnaaat ttctgggenca tatnttcttt 240
ccttgatttg cttaaacatt tt                                     262
```

&lt;210&gt; 3119

&lt;211&gt; 100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (17)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (21)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (75)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2667

<222> (86)

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<400> 3119

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tcaattggaa ttttttngga ngaagatgac caacggattt gactgctaata atnggattcc 60
ttaccttttg ttctnaataa gtctcncata aatgagtgca                               100
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<210> 3120

<211> 176

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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<222> (70)

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<222> (71)

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<222> (131)

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<222> (144)

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<220>

<221> misc feature

<222> (170)

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## 2668

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aaaatttttgn nttccaaatg ttgntcctca ccaggcctat atattcatca tttattggat 120  
attcattcctt nagttaagaa tacnggtatt attattctga tctcaactcn cntatt 176

<210> 3121  
<211> 103  
<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (100)  
<223> n equals a,t,g, or c

<220>  
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<222> (101)  
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<220>  
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<220>  
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<223> n equals a,t,g, or c

<400> 3121  
gcggcacgan ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttacaacgt cgtgactggg aacccaaaan nnn 103

<210> 3122  
<211> 125  
<212> DNA  
<213> Homo sapiens

<220>



2669

<221> misc feature  
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<220>  
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<220>  
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aatattcttt ttgggggagan cggaatttac ccccttggc ttaatcntan attcttgncg 60  
agattttcct ggaaacnttt ggggggggga aatttttggg gttccagggtg gcgggaaccc 120  
ggaan 125

<210> 3123  
<211> 107  
<212> DNA  
<213> Homo sapiens

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<220>  
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<220>  
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## 2670

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<220>  
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gcgggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60  
tggccgtcgt tttaacaacgt cgtgactggg aaaacccaaa tnnnnnn 107

<210> 3124  
<211> 72  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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gtctaggact ggtttgggtg ctttaaaata gatattgtag ttcagtcgt gctacatggg 60  
ggganacggn an 72

<210> 3125  
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<212> DNA  
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2671

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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<222> (266)  
<223> n equals a,t,g, or c

<220>  
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<222> (268)  
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<220>  
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<222> (277)  
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<220>  
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<222> (319)  
<223> n equals a,t,g, or c

<220>

## 2672

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<220>  
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<222> (404)  
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<220>  
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<220>  
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<220>  
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<222> (478)  
<223> n equals a,t,g, or c

<220>  
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<222> (506)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (541)  
<223> n equals a,t,g, or c

<220>  
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<222> (556)  
<223> n equals a,t,g, or c

<400> 3125  
gcccaagtac caatgtacaa actgangagc ttggggcaaag tgtgtcattt atcgttcttg 60  
ggctagggct gagtcaggtc cnagaactga cccctctca gagctgggac ttcataagg 120  
ctttggctct ggtttgaacg tgntacttgc aagctcttgt cgtagcaccg ggagactcct 180  
ctcccagcaa ctcaggactc ctaggaccag tgaggcctgt gctatcatan atgaattatg 240  
antggatcca tctgancat nacaantncc acccatnaac aacactgcgg tgctaagcta 300  
aaatgcctga agaccatana cagagagaat gggattttta aagaaacatt tattaatata 360

## 2673

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aatcaaaaaca tgtgaagctc agaatgaatn tgggaaacat gatngggaac tgggattcac 420
tgaacacgtn ctgcctaagt caaagggcan aggtccggtg tgaccaacat caggcgcntg 480
gggctctcca tgggcactct gcactnaaac aaattgcgcc nttctgtatg gtgcttgttc 540
ntaccactgc ccacanggct cttattattt t 571
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<210> 3126

<211> 127

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (2)

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<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

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<221> misc feature

<222> (21)

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<222> (48)

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<220>

<221> misc feature

<222> (103)

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<220>

<221> misc feature

<222> (106)

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<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

2674

<221> misc feature  
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<400> 3126  
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ccgctctaga actagtggat cccccgggct gcaggaattc ggnacnaggc cgtntatgtg 120  
nggtcaa 127

<210> 3127  
<211> 99  
<212> DNA  
<213> Homo sapiens

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<220>  
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<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (53)  
<223> n equals a,t,g, or c

<220>  
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<222> (63)  
<223> n equals a,t,g, or c

<220>  
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<222> (70)  
<223> n equals a,t,g, or c

<220>  
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2675

<222> (90)  
<223> n equals a,t,g, or c

<220>  
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<222> (92)  
<223> n equals a,t,g, or c

<400> 3127  
cctggtnntta cggagacttg cccgcgntaa atttctcaaa attcggcnan aanggccttg 60  
aantccaccn aaggtgtgcg gccgctctan gnactagtg 99

<210> 3128  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

## 2676

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<400> 3128  
cnctggtttc ctcgmnntaa tgnccaaaat tagggaaatn nggctggagg nccaccgaag 60  
gtgtgcanac gctctagaac tagtggatcc cccgggctg 99

<210> 3129  
<211> 101  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
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<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

<400> 3129  
ggaacaagga nctganagct ccaccgcggt gagcgggcgc tctagaacta gtggntcccc 60  
cgggctgcag gnncaaacc actccacctt actaccagac a 101

<210> 3130  
<211> 157



2677

<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (23)  
<223> n equals a,t,g, or c

<220>  
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<222> (107)  
<223> n equals a,t,g, or c

<220>  
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<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
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<222> (144)  
<223> n equals a,t,g, or c

<220>  
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<222> (154)

## 2678

<223> n equals a,t,g, or c

<400> 3130

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nacaanngct ggaactccac cnnggtgagc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggaat tcgagcacga ggaggcggtc agctgcttca agatgannct gancatctcc 120
ttcccagcca ctggctgcca aaanctcatt gaangtg                               157
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<210> 3131

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (167)

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<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

2679

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (268)  
<223> n equals a,t,g, or c

<220>  
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<222> (273)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (345)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (347)  
<223> n equals a,t,g, or c

<220>  
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<222> (348)  
<223> n equals a,t,g, or c

<220>  
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<222> (395)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (402)  
<223> n equals a,t,g, or c

<400> 3131  
gnggtacgag gaantacata atcanacttg atcanactac gggcaanctc aaaacgttta 60  
ctaattgccaa tcaactccaa tttaaagatt atggccacat actactttga aaagtttgta 120  
gaatggtgtg ttttataacc cataaatggt gtgtgtctac ataccanaat attttaggca 180  
aagaaacata tttagatatn ttttgacaga ggatcatnag natTTtatgtg tttgaatctt 240

## 2680

aatgagaagc angtaaattc taaattanaa cangtgtaaa gaaagaaggg aatggttggtt 300  
aagaattttaa tctgaattta ttcaagttac ttttgttcta ctggnannca tagtacttta 360  
gtttatatct tgcaagagat aaccctgctg tgtancataa tntgggtaaa atat 414

<210> 3132

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<400> 3132

agcctgggttt ctcgctttta cngccaaant agggaaaata ggctggagct ccaccnaggt 60  
ggcgagccgc tctagtacta gtggatcccc cgggctgcng ganttcggga cg 112

<210> 3133

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

2681

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

2682

<220>  
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 <222> (339)  
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<220>  
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 <222> (354)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (361)  
 <223> n equals a,t,g, or c

<220>  
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 <222> (389)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (405)  
 <223> n equals a,t,g, or c

<400> 3133  
 ggccttgtca tgcgaagcat ttgacanaga cttgcttgtc ttgggcctgt cacctcctga 60  
 aaggctgctt tagctgtgga tgcccttgat taagggagag agcgcctang agctgcctgc 120  
 cccacctggg gtgacggctg tagggctggg tctatgttgc aagccctata tcctaccatg 180  
 cagtggaaag tgcttagctc tctccctcct gacctctggg canccagtca tcaanacaga 240  
 nagacnntgn cggnatgtgg gcancatgcc cangttcctt gctgactcan cacttatttc 300  
 tgtgggtttta aaaaagaatt taatgttttt gggttgatnt ttttgggggg gtgncggtgg 360  
 ncagaaacat gggggtagtt ctgagttgnt aagaaatgtt tctgnaatca a 411

<210> 3134  
 <211> 92  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (26)  
 <223> n equals a,t,g, or c

<220>

2683

<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<400> 3134  
gctcgtgccg aattcngaac gaacanaaca ttctactggga ngcatataat ttctattcaa 60  
ggtngtattg aatgatgggt angttaatat ta 92

<210> 3135  
<211> 99  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
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<222> (60)  
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<220>  
<221> misc feature  
<222> (75)

## 2684

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<400> 3135

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atacgtttcc tgggncttga tcgcgctaaa tcctcaaaat taggntaaca nggccngcan 60
ctccaccaag gtgtntggcc gctctaggaa ttagtggnn 99
```

<210> 3136

<211> 94

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

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<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

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<222> (41)

<223> n equals a,t,g, or c

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<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 3136

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ccccactcag cccagtgtgg ggtagaagca acgtntcant natctccanc tcccaggaac 60
actangaata ctttggtttt agccaaatca tcac 94
```

<210> 3137



2685

<211> 414  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<222> (37)  
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<220>  
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<220>  
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<222> (131)  
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<220>  
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<222> (199)  
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<220>  
<221> misc feature  
<222> (237)  
<223> n equals a,t,g, or c

<220>  
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<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2686

<222> (264)  
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<220>  
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<222> (270)  
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<220>  
<221> misc feature  
<222> (275)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
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<220>  
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<222> (296)  
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<220>  
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<220>  
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<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (405)  
<223> n equals a,t,g, or c

<400> 3137  
tattcagctc tacnngcctn atntagggaa agctggngcn cctgcaggta ccggtccgga 60  
attcccgggt cgaccacgc gtccgcccac gcgtccgtaa tagtaagatg ggcaaacctc 120

## 2687

```
ctagtccttg ncatttagaa gctggctttt tctaagactt ctagtatgta tggaattctt 180
tgaaaattat attacttttna tttctactga ttttattttg ggatactaag gatgtgncca 240
aatgattcgg gatactaagn atgncatcgn tttgnaaatc atctagtgat gnttgntatg 300
acagattatc ctcaaagaaa catcagngat gatctggaac cnttaaaaac atctgttagg 360
angcaaaaat tnaaaggagc atttgggtaa taatcttaac ttttnggttc aggt      414
```

<210> 3138

<211> 62

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<400> 3138

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ntaaccacnt aataatgggt ttncacacat gataaaaaaa aaaaaacctt ttacaaatga 60
nt                                                    62
```

<210> 3139

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

2688

<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (355)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (362)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)  
<223> n equals a,t,g, or c

<400> 3139  
ataaaaaataa ataaaagggc cccacaaaat ccaggtaggg ggtaactgat gaactgatta 60  
cctattttcan atttacgaat ctcaaaaactc taagatagag attatggcat ctagtcaaat 120  
actattttgaa atactacgta ctctcaaagt tttaataaca aaatggtaaa aattatattg 180  
aagggttcagt ctctcagat tcttaaagac tttgtgaatt atataggcag gatttaagga 240  
tagcatctcc acctaattgag gtgttaacac ttgcttgggt tttaaaacgt ccagatcant 300  
tcttggttgc tcttgaaagc atgggcttgg gtctgccaca tgtttggggc gcncnagcat 360  
tntgggaang gaaaaaagg 379

<210> 3140  
<211> 129  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
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<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)

2689

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<400> 3140

```
tcttacgann cccaatccgg aaagctggta cgcctgcacg taccggtccg gtaattcncg 60
ggtcgantca agcgtccgct cacgncggtc ggaaggaaaa tcccncaatt cangaggaaa 120
ctgaatcac                                     129
```

<210> 3141

<211> 259

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

## 2690

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (61)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (74)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (105)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (149)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (156)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (219)  
<223> n equals a,t,g, or c

2691

<220>  
<221> misc feature  
<222> (221)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (251)  
<223> n equals a,t,g, or c

<400> 3141  
cccacgcgtc cgtatatatg tgatnctgan tgttnaaana ncaactctat tnnacccgta 60  
naatgtactg gatntcaaca cacagtccan agacagtcac tctancaaaa gcttagtgtn 120  
tccctataac tgggtattct ggtagggtna agtaangcat cctattccat ttcagtctgt 180  
ggtaacagca agataggagc cgcacaggtc atagccagna ntnggctatg cgtcccttca 240  
tntaatccca ntactccta 259

<210> 3142  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (207)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (260)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (267)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

## 2692

<220>  
<221> misc feature  
<222> (277)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (330)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (361)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (381)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (385)  
<223> n equals a,t,g, or c

<400> 3142  
cccacgcgtc cgcccacttg agctcatttt tgctcaaaga ccaactctat taaaccctta 60  
gaatgttctg gatttcaaca cacagtccac agacagccat tctatcaaaa gcttagtggtt 120  
ttccctatga ctgggttttc tggtaagggtg aactaaggca tccttttcca tttcaggctg 180  
tggtaacagc agataacagc cgcagangtc atagccagca cttttctatg cgtcccttca 240  
tttaatccca gtactcctan gtggtanatc tatnatnttg gtccacatga attattgaaa 300  
antctgtcct aaatttttaa tggaacaaan tatgggtttg caatttactg gtgggtgggtc 360  
ncaggaaata ctacgacaat ngganttt 388

<210> 3143  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (231)  
<223> n equals a,t,g, or c

<220>



## 2693

<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<220>  
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<222> (306)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (325)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (328)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (331)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (410)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2694

<222> (420)

<223> n equals a,t,g, or c

<400> 3143

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aggatattta gtatagcaat atcttttgat aaaataatca acaaacaaaa ttatgttggt 60
ggaaaccaga aaacgacacc actgatgaat gtacttaggc tacttaatca agaaatagtc 120
gcaatgattc tacttctgtc ttctttttta aaaaaaattt aattagtttg ttttatttta 180
gaatagcatt actgattacc tttcttccct ggaaattaac acattcgta naanacttaa 240
ggatgcatcc aatgaaatac tttagaattg aaaagaagga aatgaattac ttgaattctc 300
cagaantntt gtgtctattg gtgcncnac nccgtttaaa tgctatattg ccnctganaa 360
ctgatgccct tttgtgaaac acactgtnac aggccccgtt tacctccttn ttttaattan 420
aaaaaaaaa ggggggcgg                                     439
```

<210> 3144

<211> 79

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<400> 3144

```
cccacgcgtc cgggtacact tacctttttt tttttttttt aaattttccc ccatccagna 60
aaacaacntt ntaatntnt                                     79
```

<210> 3145

<211> 247

<212> DNA

<213> Homo sapiens

2695

<220>  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (68)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
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<222> (143)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

## 2696

<220>  
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<222> (184)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (226)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<400> 3145  
ccccatttta taaaaaagg gaaaaaagcn tgggggtntn acggggggccc cccccagggg 60  
ttaaccnnag atccccggga aaatttcccc cgggggggttc cggaaaccca acggcccggtt 120  
cccggcntaa ttcaatacta annnaaaaaa ccccaaacc caatnggaac ccccttaaac 180  
caangggggg ggccctcctc caagcccctc ccnaaaattg gaaccncccg gggncccaac 240  
ccaatgt 247

<210> 3146  
<211> 485  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (334)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

2697

<220>  
<221> misc feature  
<222> (417)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (418)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (450)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
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<222> (483)  
<223> n equals a,t,g, or c

<400> 3146  
attggttggtg ttttcaacca tcagatgttc ctgggaaatt gtcaaccctc tgatgcagta 60  
gaaacctgtg tatttgattt gaacgatgaa tccaaatgga aacccatgag tgaggaagca 120  
attaaatctg tgtgtgctcc tggagctaca acatcccttc ctccctttcc acctctgtgt 180  
gcatccacaa ttgaacgctg cagtaacaag taatgaaatt gaaaatgcag ctgaggctcc 240  
tggtgtcagn aacacaggga agggatcttg ggcctcacta ctggtntggg aaagaaccag 300  
ctctcctacc cttttatcac ccagcttttg ggcntcttat gaatttgaag cgttcaacaa 360  
gttatatcag cgggnaatga aaaatttcca gaatgccata gggaagggtc gttcctnnat 420  
ggtcgcacat ttaaaaggtt cccaatacn tttggtgtta tagaaatgnc agaaattgca 480  
ttngc 485

<210> 3147  
<211> 242  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)  
<223> n equals a,t,g, or c

2698

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (69)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
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<222> (160)  
<223> n equals a,t,g, or c

<220>  
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<222> (210)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (217)  
<223> n equals a,t,g, or c

2699

<220>  
<221> misc feature  
<222> (223)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (234)  
<223> n equals a,t,g, or c

<400> 3147  
cccacgcgtc cggccacgcg tccgctccag aatgaaaana atttctacac cnanacttan 60  
acgacagtnn atgetnaant ggcaattcct cntttaagct atttttccca accttcaggt 120  
tggtcagccc tcctgatacct cacaggtgga taagtgaggn ctaccagaca ggggagccta 180  
agaaacttgg attgaccttc taatctaccn ccttganttc agnacaccat tacnatcggt 240  
ga 242

<210> 3148  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (185)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (198)  
<223> n equals a,t,g, or c

## 2700

<220>  
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 <222> (206)  
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<220>  
 <221> misc feature  
 <222> (216)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (221)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (277)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (284)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (288)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (314)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (321)  
 <223> n equals a,t,g, or c

<400> 3148  
 accaagcacc tcaagctggg aatgggttggt ggaggaggaa agtaatcaag agatgttttca 60  
 tatgaaaata acaatatctg caatgagcct taaaggatga acaatatattcc canaaacana 120  
 ttttgggggcc nagatatgaa gcatggaaca aaggaaataa tattctgaac atnatggaga 180  
 aagcntcatt aaagtgcncg gaagtngcaa tattcntgaa ntgttttgggg aaacaaacat 240  
 accattgaat gtttctagaa cctacaaggg accccgnaaa cctngaanaa tgaaaaagaa 300  
 taaggaaatc caanttccat naaa 324

<210> 3149  
 <211> 99



## 2701

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<400> 3149

gactgtgcgn cccntntctcc gttcaaaaaa tgggnnccctg ggcccaaaag caantntttg 60  
gtccggaatt cccgggtcga cccacgcgtg ngngcccat 99

<210> 3150

<211> 105

<212> DNA

<213> Homo sapiens

2702

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (33)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (78)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (104)  
<223> n equals a,t,g, or c

<400> 3150  
aangaagtcc cccctaatta atatcggtnc ccngggaaaa ttttagggg aaggtttttc 60  
ggggtgtcan ttttaangg gcccatattt ttacgggtg taana 105

<210> 3151  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>

## 2703

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<223> n equals a,t,g, or c

<220>  
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<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
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<222> (107)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
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<222> (125)  
<223> n equals a,t,g, or c

<220>  
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<222> (142)  
<223> n equals a,t,g, or c

<220>  
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<222> (161)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (222)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (233)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2704

&lt;222&gt; (252)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (257)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (258)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3151

nggganagnn	ggtacgcctg	catgtaccgg	tccggaattc	ccgggtcgac	ccacgcgtcc	60
gatacctagca	tnttaaaatt	cagttgttac	attgggatcc	cacatantat	nttgtcatct	120
atatnagggt	ggatgagggc	tnaaatttca	tcttgggtct	nggaacagat	tcatgggcac	180
acattttata	acgattggtc	ctcagttctg	caaattaaga	anctccaatc	ttnttgattc	240
cccaccggtg	gnaacannat	gcattgagta	atat			274

&lt;210&gt; 3152

&lt;211&gt; 546

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (277)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (298)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (305)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (312)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (357)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

2705

<221> misc feature  
<222> (374)  
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<220>  
<221> misc feature  
<222> (380)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (394)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (412)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (422)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (430)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
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<220>  
<221> misc feature  
<222> (463)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (467)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2706

<222> (493)  
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<220>  
 <221> misc feature  
 <222> (499)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (505)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (507)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (523)  
 <223> n equals a,t,g, or c

<400> 3152  
 cacgttttcct tcatttttgt ctatacagtt cctcaagtag gatattttaag taggaaaccc 60  
 ttcttttttaa taaaatcatt tgcagaattc caaaatacag aacagatgaa agcaggtctg 120  
 ctctgtgacc tgtgatggag tcagtagggg cctcaaagcc cagcctcttc agtcttcctt 180  
 cactggcccc cagggagccc taggctaaac agaccatcat gtgaaaacca ctgttacagg 240  
 tgcgagaatg gtgtttttaca gagcagccag aggagangca tagaaaagga aacagatnaa 300  
 atganaaaact anttaggaaa agaaagcttt catgaacact ttactatggt gccacangct 360  
 ttaaaggaaa tcnccttan gttattctca caanaaaccc tatttttaa atcngttcatta 420  
 tncccattnn ttaggcttga anggaacaca atccttttga cangttnant taactcttcc 480  
 caggtctcac aantaaatnt caaangntga atggaacca ggnttggcca actcaagggg 540  
 tgttct 546

<210> 3153  
 <211> 548  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (323)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (351)  
 <223> n equals a,t,g, or c

<220>

2707

<221> misc feature  
<222> (415)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (449)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (500)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (533)  
<223> n equals a,t,g, or c

<400> 3153  
gtgcttttct ctttggcaga gtttttcttt gctctgatct tggagacatc cctctgccta 60  
gtggaaacat aaggaataca gaaagaatgc aaggagatag accaacgtga gattctcctt 120  
catgcactca agagaacgat gttgcaggaa gagctagtct ttcaggctgg gctggtgacc 180  
tgagaaagaa tgtccagctt ttcttctcca cttggcatat caagagccag gcgtggaaaag 240  
actaaaacag gaaatgttta taaaaactgt tcacggttcg ccaacaagaa attggttaaa 300  
gttagcaaaa atgggggattg ganattccca ggaaggaaaag atgcccgggg nttaattggg 360  
gaaaaattgg gaaccctgaa acccaggaaa gttcaagccc caagcccaac caggntttcc 420  
ctgttttttt ccaantgaaa gaaagttnng gggccccaag gaatgggatt tggaaaaact 480  
tttcccccca agttccccc n gaaacttaat taaatttgggt tgccttaaag gantcccaaa 540  
ccccgggg 548

<210> 3154  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

## 2708

<220>  
<221> misc feature  
<222> (166)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (252)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (291)  
<223> n equals a,t,g, or c

<400> 3154  
gtattatcaa taacaataaa aataaagcaa atacattaga cattaccctc ccatcaggtg 60  
cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120  
agggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180  
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatagt ttatcagtaa 240  
cagtaaaaat anagcaaata ccngaaaant aaataagggg gggccnttct naaaaatc 298

<210> 3155  
<211> 215  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (6)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c



## 2709

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (84)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (127)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (145)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (206)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (208)  
<223> n equals a,t,g, or c

<400> 3155  
tccttnnccg actcctgtac cgaancattg gagatccctc ctgtgtgtag gttaaagagc 60  
caaaggccag atgggttttgc cgantcccc ctgctantgt ggggggancc cactttctgc 120  
ttgtgangcc ctgactggga accanttggc ctggaatctg ggaagggggc tcccttccca 180  
cccttggttct tcctccccnc ccacangnaa tcctg 215

## 2710

<210> 3156  
<211> 164  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<220>  
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<222> (60)  
<223> n equals a,t,g, or c

<220>  
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<222> (82)  
<223> n equals a,t,g, or c

<220>  
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<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (148)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (150)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (163)  
<223> n equals a,t,g, or c

## 2711

&lt;400&gt; 3156

```
cctttggggg ggggcncccc aaccggggccc cccttttggg ccnaaaaaa aaagatttnn 60
aacccccggg ggggtttccc tnttgggggg gaaaaaattt ttcccccccc ccgggggggg 120
ggttttccgt ccaaanaccc ccaaaccngn ccgggttttc ctnc 164
```

&lt;210&gt; 3157

&lt;211&gt; 556

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (91)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (110)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (128)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (175)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (237)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (256)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (300)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (304)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

## 2712

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<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
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<222> (334)  
<223> n equals a,t,g, or c

<220>  
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<222> (405)  
<223> n equals a,t,g, or c

<220>  
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<222> (415)  
<223> n equals a,t,g, or c

<220>  
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<222> (446)  
<223> n equals a,t,g, or c

<220>  
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<222> (512)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (527)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (531)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2713

&lt;222&gt; (546)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (554)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3157

```
aagagaaaagg ctctgagtaa ataggcaagg cccgggggtga gcaggggctg gaatccgaaa 60
gtgggaggcg gcggccccc accctccata ntccttcgc cctctgctan caccgaagtt 120
tagcccanga cggggggcgt ttaaggggccc ggccctccgc cgccgcgcac gtgancggca 180
ccaggaagct ggctggggcg agccttcctt gaagctcgct ggcaccggcc gcacgcntcc 240
atcccggggc tctgancgga aggggaaccg aagctagaag gaaggcgcat tctgccc aan 300
gtcncggcag cngcagtttc ttgggcncca agtngtgatt ggaattactc ccacgaagaa 360
agggcggttaa caagaactcc taagcgaaaa naaaaacttg aacanttggtt aaaancttaa 420
ggttttgggg ctttccttga aatttncccc caagggggggg ttttttgaaa aaaattgggg 480
gaaccaaag ggtttcctt taaaaaaagg gnaaccgggt ttaggcnttt ncccttgaaa 540
ggaaanggtt tatncc 556
```

&lt;210&gt; 3158

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (64)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (79)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (88)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (112)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3158

## 2714

ggaactctcc gacaggcaat acctgctcca gagagccaaa tctggtnnggc tgaactttta 60  
tcangcctgc attgcagtnt gatttctncc tcttcgcagt cctgcttctg tn 112

<210> 3159

<211> 245

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<400> 3159

cgcagatgct ggagcagcga ctggcccggg aagatccgtg ccctggagag aagcaaggag 60  
cagctgctct cgganagagc tggacagaag tttgtattac aggctcgtac accggagggt 120

## 2715

tctgatggag canacnactt gaggaaggcc ggccttgctg aacacagtgg actgaccggg 180  
tctggacccc tccccacng gtgactgtgc actgcagcag aganaagang aaaggaatct 240  
gaann 245

<210> 3160

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

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<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

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## 2716

<222> (92)

<223> n equals a,t,g, or c

<400> 3160

```
taggggtggt ccatggannc aanggagtaa ggacagccca aacgcntcta tgnngtgtcta 60
gcntatnang gtttcaccgg tcattccgtc angttctgt 99
```

<210> 3161

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

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<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c



2717

<220>  
<221> misc feature  
<222> (283)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (285)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (286)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (293)  
<223> n equals a,t,g, or c

<400> 3161  
acngttacnt taccangttt ncccgctcat ttatctcgtt ctgctagggc caccactaat 60  
aagncgtccc atgagatcgg ggtggcaata ctacggcatt aatacagggt gagntgacaa 120  
agaaaaggca acagttgggt acggtggcca gggtgaccgc cacgaagagg ggttgcggtg 180  
aaggaggggt agcgnagttg ttagccgccg cggcctatca agccagttat gagaactacc 240  
tattacgcgt ggcgtattgc catgttntag accatgaagg agnanntgcc ctnagaagca 300  
gtgag 305

<210> 3162  
<211> 107  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2718

<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<400> 3162  
agggggccca tgtgatagcg atacaangnc ccaggacatc tacgagttca agttnncaat 60  
tacacaagac ancagttggc ctacgctgcg ctcagccgtg tatcgct 107

<210> 3163  
<211> 153  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (112)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (123)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<400> 3163  
aaactgttta attaaaacaa agcatcgnga aggccacggc tgggtgttgac actatgtgat 60  
ttctgcccag tgctctgaat gtcaaataaa aaaattcaat gaaacgccgg tnaaccgcgn 120  
ganttntat aatcctcttn aggtatccaa aat 153

## 2719

<210> 3164  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
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<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (379)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (416)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (436)  
<223> n equals a,t,g, or c

## 2720

<220>  
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<222> (453)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (469)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (497)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (502)  
<223> n equals a,t,g, or c

<400> 3164  
cncctccnacb natacctttc cagggttnacc gttcatctat ctcggttccaa ataacttttac 60  
ttgctaatttt ttttattttgt cccactacta tgtttatttg cccttacgtc acccagtgga 120  
ccctgagttt catacacgta gctgtcactt tgcacgcatt ttattatctt gtgcgcattg 180  
cccgcacgta ctagtttttaa ggggtgattat agttantatg ttgattagtg gctagcgatt 240  
gggttggtgc gttttcctga tggcccacgt actggtggtt tgtgtttaat gtagtgtttg 300  
tgggtgtgtg cctgggtgaca caacagttac aatggctcgc tactggtgtt gtgtactata 360  
tggggccctgc ccagcctang cccctagaag ccacttgccc tcagtctgca aggtgntttg 420  
tgctggttgc caaatncaac aacgtgaatc atnacaagag gccttgctna ttatgagtg 480  
gagtgtttga ttggccnctg tnttcctgcc aagtcaata 519

<210> 3165  
<211> 152  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

## 2721

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<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (111)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (131)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (152)  
<223> n equals a,t,g, or c

<400> 3165  
canagctggt aaggccnca gttatcanncc gggaattctc nggtcgactc acgcgtccgc 60  
gggactcctg ggggtggttct ctctctctgg tcccttctgg ggaacctntt ntccnaatt 120  
tcttcgctgc ngttttcccc atcggttccc tn 152

<210> 3166  
<211> 287  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>

## 2722

<221> misc feature  
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<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (95)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (164)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
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<222> (250)  
<223> n equals a,t,g, or c

<220>  
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<222> (262)  
<223> n equals a,t,g, or c

<220>  
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<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (284)  
<223> n equals a,t,g, or c

<400> 3166  
gatnttgcca acccggatcc ngttgccaac gtttaccga tcatntatcc tcgttcanat 60

## 2723

```
ttttcttttg cttttatttt aactacagcg gtttngtact ctgctttgca cgtacgtccg 120
tttttcgggt gctgtgttgt ttggggcgcg gttgctgtat ggtnactggt ggtagccat 180
gggttaccct atacgtagtg tgacttttta aagtagtgtg gtagttgtgc gcgcgctagc 240
ggnggaattn aagcaaagac annacaaacg tagatgggcc cctncta 287
```

<210> 3167

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

## 2724

<221> misc feature  
 <222> (431)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (527)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (530)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (554)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (567)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (594)  
 <223> n equals a,t,g, or c

<400> 3167  
 nanttgatcga cntgatccgt tnccagggttt acccgntcat ttatctcgtt cctacgcccc 60  
 ctactgtgtt gcttatactg ttgtatTTTT gcaaaagcgg tcttgctgtt aacggggcgtg 120  
 ttatgTTTTgt tggccgtaac actattgtat actgctgcac ttcgttctga gtgctacgcc 180  
 gctgcaaatc antccacaga tgcatacagc acacttgtag tactggccta cgtgtagcgt 240  
 tttggattgt atggcgtgtg acttctactg gttaaattac tcttagggta acccanagtc 300  
 atatactact taacggtagg ccaactgcccc tgcttatacg gccccgcctg ccggtgcccc 360  
 tgccccaggg caatgcgcgg gccacttgt agtaggccgg agcttaacca anttgggtgtg 420  
 caactaatac ngtgggtgtg atcttaggtg ccctgggctt tgtgtccaac ttagccccctg 480  
 tggggcgtgc agccgactgg gtgtagttgt gggcctagcg caaacantcn tgttatgttt 540  
 agacggtgtt cctngtgccg gactttngcg cggtgggggtg agatgtttta cctnactgcc 600  
 cca 603

<210> 3168  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (15)  
 <223> n equals a,t,g, or c



## 2725

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (54)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (70)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (113)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (134)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (178)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (180)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (183)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (196)  
<223> n equals a,t,g, or c

## 2726

<400> 3168  
gcacacgcta caggncgtna acagtttagcc ccacctagga cgggtacgnt ggcnccccgt 60  
ttgccaacan gtgttgcgga ttgcacgtgt ttaggtatgt gtctgatatc canagctcat 120  
gttatggccc gttngataag cagttaccac aatgcctctg accgccgctt cggtatancn 180  
gancgacggt tgcaanccgc atgtcccatc atgg 214

<210> 3169  
<211> 108  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
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<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (97)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (106)  
<223> n equals a,t,g, or c

<400> 3169  
gttnttcgtt ggatggttna ggtgggacac ggganggatc ctggggaaat ggttanccac 60  
ttttctcagt cggtcttact tggcccacca cgttganattg aacggnac 108

<210> 3170  
<211> 577  
<212> DNA  
<213> Homo sapiens

<220>

2727

<221> misc feature  
<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (76)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (307)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (335)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (336)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2728

<222> (372)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (423)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (435)  
<223> n equals a,t,g, or c

<220>  
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<222> (437)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (526)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (530)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (542)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (547)

2729

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 3170

```
gcccgtcttg tcnacngnta ccttaccang tttccccgtc atttatctcg ttctaaaggg 60
aggtagagcc gggagncgat attactgtag cagttacaag ctagggagga tgggcgcttg 120
cccgtacaag gggcaaaactg ctgctactat gtgaatgagc gatggaatgg gagacagcga 180
aaaaaaaaaggc accanaaacac aacggacata gagtggctgg aaccgtttgc cgagaggggg 240
ccaggggggaa gggccgcggc ccaatgcgag cagccaataa tgaagaagac tacgacgact 300
aaagcgnang tggttggcac tctatggagt tgggnncaac tgggtgataa aaaaactttc 360
tgggcaactg gnagataggg aggccggnag ggcagtttnc tagaagttgc gcactgtact 420
agnagggggt tgcngnagc gcgacacaaa ggcacatntg caacgtggaa tgctaaagac 480
agccgcaatg accagggcaa ttggcgtgag cgcggagatt gcaagngccn aagtaggagc 540
tnagatncat tgnagggcaa aagctggatg cgtggtg 577
```

<210> 3171

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2730

<222> (194)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (209)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (210)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (216)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (278)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (327)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (341)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (401)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (413)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (414)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (415)

## 2731

<223> n equals a,t,g, or c

<400> 3171

```
nttgncaacn natgccttcc angtttacct gtcatttatc tcgttcttta tctcgttctt 60
tatctcgttc ttttcaactct tctgttccctg ctattctctg tctgttcacg ggtacctgtc 120
gctgaactga ctcttcgctg tcgtgttttg tacgtcttag tagcaggagt gattccccatt 180
gtagtactta tcancacagc ggtgttcann gtgatnacag ttcccacagt ctccatcccg 240
gcgcttgcca ccgccacccc aacagccgta cgaccatnca accgaatagg cagcatgtct 300
gtaggccgcc aaagcttggt ctgcaanctt ttcaccctca nccgattcaa actatacgaa 360
gtatgccgcg tcagagggcg agccaatagt attgctacca nataacgggt atnnnacaac 420
tgatcaca 428
```

<210> 3172

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (248)

<223> n equals a,t,g, or c

## 2732

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<400> 3172  
aaagcncctca ctatagntna aagctggtac ncctgcaggt accggtccgg aattcccggg 60  
tcgacccacg cgtncgcca attcatagag aataaaatta catgaaagag ttacaagctc 120  
actgttttaa agacttgaca tttttcattt agttttaatt tacagtactt atggagagcc 180  
agcagaagac atcagagcac tcacttcttc ccatctttgt taagggtanc agaattaccc 240  
atggacantg ttaggtgagg ctcattcgnc ngcnctgaaa acaaa 285

<210> 3173  
<211> 203  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (102)



## 2733

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<400> 3173

```
ggnagagngc ttccctcanc acgagcgatt cgcaacccag ttaaagctgg tacccttgca 60
ggtaccggtc cggaattccc gggtegaccc acgcgtccgc gnctcgtgg gcggccactc 120
cgggtcccgc accnancctg ccggaaagaa cacccgaaa tgaaaggcca ccaagaagaa 180
angcactacc tnttangaca aga                                     203
```

<210> 3174

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

2734

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

## 2735

<220>  
 <221> misc feature  
 <222> (478)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (523)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (532)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (545)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (553)  
 <223> n equals a,t,g, or c

<400> 3174  
 cgtntntata gtanaagctg gtacncctgc aggtaccggt ccggaattcc cgggtcgacc 60  
 cacgcgttcg gtanaagatg aacaggagca ttatataagt gatgatttgg acattgaaac 120  
 taaaatggaa gaacaggaaa aaaaccctgc atcttctgaa cttgaagaac caagtttagt 180  
 ttgtgaggaa gatgaaatta tgagggtctaa agaaagtcca gatcttttcta tttntcattc 240  
 tcagggttgag cagtttagtca ataaaaacatc tgaacttgat atgtctgaaa gcaaaacaag 300  
 aagtggaaaa gtcttttcaga ataaaatggc aaatgggaaat naaccagtaa aatctttccaa 360  
 agaaaatcgg aagagaannc aacatgaatc tnggagaata gtaagnctta tgataatgta 420  
 taggtngaata acaatgggaa ggatcacgaa tatcattact acagattaaa tttaaaanga 480  
 tgaatttgat atcttttcgat gtacctgaga gtttttgata ttnaaat ttt 540  
 tatntttggt ttn 553

<210> 3175  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (8)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (16)

## 2736

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 3175

gctgtatntt tcctcnggaa naatcncact cactatntttg gaaagctggt nccgcctgca 60  
ggtaccggtc cggaattccc gggtcgac 88

<210> 3176

<211> 102

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

## 2737

&lt;400&gt; 3176

tgagtggaca tgcnatggaa atggattgng acactgggtga atgaacagat gatantctac 60  
gtactnaaga tgcatacacc aanatgatga aagg tactgt ac 102

&lt;210&gt; 3177

&lt;211&gt; 196

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (20)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (37)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (38)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (69)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (85)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (132)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (164)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (179)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

## 2738

&lt;222&gt; (184)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (191)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3177

```
ggatgatgtt tactaacgan gaattttaca tccaaanngg gataggcact tggacccccca 60
ttctccaang gcccgggggg gcggnntccc atgggatgtg aaaggctggc cattattaag 120
tccctgtaac tnaaatgtca accccaccga ggcaccctcc cgtnccccag aatcttggnt 180
gttnacaaat nacgtg                                     196
```

&lt;210&gt; 3178

&lt;211&gt; 100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (11)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (63)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (73)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (81)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3178

```
actatTTTTg nnagatggta cccctgcag gtaccggtcc ggaattcccg ggtcgacca 60
ttngtccggt ttnaccagat nctgaccgc gacggcaagg                               100
```

&lt;210&gt; 3179

&lt;211&gt; 506

&lt;212&gt; DNA

## 2739

<213> Homo sapiens

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<400> 3179

```
gctctttaga tctacttgct tttctgcttt taaagattcc atgggagcag tgaggcttac 60
tttgagaata aggggtacttt gttggataaa agtgaagcaa actttttattt tggcagtaac 120
ggaaataaaag taaatatcac tatagcatag acctgtgttt ccaactcatt ttgctcaact 180
tttccagact tcctgagtaa acacagatgg gtttccactt atttttcagt tttatgtaga 240
aagttcttta gactataaat tccacatgct acttggagtt ttcagtgttt gcttgattgc 300
atgccattgg aaggtcaaaa acctagattt agacattata aagattttaga aggtgatgat 360
gtgtagtaac gtgttttcat ttggctttat ttnggctttc ttgatggtaa ttctaaatgt 420
tttaattcan gtcttgacta aatttcctgg naattnggng gcagacagaa ttttgaaagc 480
cttctatttt taaatagcanaatggt 506
```

<210> 3180

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

## 2740

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (141)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<400> 3180

```
ggcgccccnt ttgggtcccg ccggggcgcc gggggtgcgg gagccggccc aggagggggc 60
ggcagcgggcg gagtagccaa gtggctccgg gagcacctgg gcttccgcgg gggggncgga 120
ngcngaggggg gcagaaagcc ngcgnc 146
```

<210> 3181

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c



## 2741

<220>  
<221> misc feature  
<222> (89)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (116)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (144)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (188)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (204)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (242)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

## 2742

<220>  
 <221> misc feature  
 <222> (288)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (312)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (324)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (327)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (388)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (392)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (414)  
 <223> n equals a,t,g, or c

<400> 3181  
 gcctatgcgt ccggtacccat ggaaaactaa atttaannna ccagttataa cagtgttttaa 60  
 tttagataag tttgagggaa aataatcant aggcaagagg aacatttttc ctgtantagc 120  
 tagagtgcct tgaaaaaatg tgtnggctat gtgaaggaat atttneaacta aaatggaatg 180  
 gtatgctnta tacccttaaa gttnaggagg gatcttgata tgttttaaca ttatnatggc 240  
 anggaaatat ataaagaana aaaatatnt tctatttaca atttttanaa aaggtttaat 300  
 gtaaaaataa tntggatttg tatnaanaac aacactatc gctatgtatt gtgttagaca 360  
 tattgtcagt ctgttgctac tgacttanat anttaaagt tggcactgct gaanat 416

<210> 3182  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature

## 2743

<222> (13)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (16)  
<223> n equals a,t,g, or c

<220>  
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<222> (35)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (44)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (55)  
<223> n equals a,t,g, or c

<400> 3182  
gagatagact ttncntttgt aaagtaaata aattnttcaa aganaagcat tgcanatgga 60  
cct 63

<210> 3183  
<211> 520  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (270)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (358)  
<223> n equals a,t,g, or c

<220>  
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<222> (400)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (428)  
<223> n equals a,t,g, or c

2744

<220>  
<221> misc feature  
<222> (441)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (490)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (494)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (514)  
<223> n equals a,t,g, or c

<400> 3183  
gccccacgcgt tcggggaattc atgtgggaggc caccaccagct gcaagtgcct tccttgggagc 60  
agagaggcag cctcgtcctc ctgtccccc cctcccagc caccatcggt catctgctcc 120  
gggcagaaact gtgtggcccc tgcctgtgcc agccatgggc tcgggatgga ctccctgggc 180  
cccacccatt gccaaagccag gaaggcagct ttgccttggt cctgctcggg acagccccgg 240  
gtttcccgagc atcctgatgt gtccctctn cccacttcag aggccaccca ctcagcacca 300  
ccggcctggc ttgctgcaga ctataaaacta taaccactag ctcgacacaa gtctgcantc 360  
caggcggtgtt ggaagcccg cttccggggt cggggaagggn ccccgggggc ttggggaaac 420  
gccctggngc cctttccttg ngcccaaaac ccaaaggccc cccttttggc cctttccctt 480  
gggcccttgn ttgnccgaac caaggaaaact tggncccaaa 520

<210> 3184  
<211> 62  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (32)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

## 2745

<220>  
<221> misc feature  
<222> (46)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (59)  
<223> n equals a,t,g, or c

<400> 3184  
gtcgcacccac gcgtccgtan aagagtaggt cntccagtgc tgctnntgca gacacctang 60  
at 62

<210> 3185  
<211> 508  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
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<222> (158)  
<223> n equals a,t,g, or c

<220>

## 2746

<221> misc feature  
 <222> (253)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (415)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (434)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (435)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (499)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (508)  
 <223> n equals a,t,g, or c

<400> 3185  
 catntggcng tgaccttattc tggangnacg ctggtacgcc tgcaggtacc ggtccggaat 60  
 tccccgggtcg acccacgcgt ccgctaagac ttacctgata tttcttagga tgtggacatc 120  
 atgtttgggg caatgtntcc ctcaccgcct ctctcatnct ttataccata aaagagtgat 180  
 ggcaatatgc tagctgaaat tcacccttcg atgggtttcat tttcttgtct acaaaggcag 240  
 ggtgagcgac tgntgccctg tgatttcttg cactcccagt ggaaaggaag cagagggggcc 300  
 aagttatggc agagtgcacc cagttaggcc ttcgactaca aaagtatcat ggtttccctt 360  
 cctccccagt taccattctt tccctgggtc ccateccctt cacatccagc agtgnngggct 420  
 aaccttcctt tgcnnatcct gggaaaacac atctttgctc cagtgcгааag ttagactgga 480  
 caaacaagcc ggtgtggang aagctttn 508

<210> 3186  
 <211> 91  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (54)  
 <223> n equals a,t,g, or c

<220>

2747

<221> misc feature  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (82)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (90)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3186  
acttttgga aagctggccc gctgcaggt accggtccgg aattcccggg tcgncccacg 60  
cgctcatttcg cctcaaaggc gnacaggtgn n 91

<210> 3187  
<211> 193  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (45)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (52)

2748

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (193)

<223> n equals a,t,g, or c

<400> 3187

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ggnctgncctg aggaggtgtg gacttttatn tatagatcta catanaaact gntacatgac 60
anaaaccaca cctaaagaaa ttttaagaat ttggcacagt tactcactnt gtgtaatctg 120
aaatctagct gctgaatacn ctgaagtaaa tccttganca ctgaagtctt tcaattganc 180
tggaatgaata ctn 193
```

<210> 3188

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)



2749

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 3188

```
gtcgacccac gcgtccgcgg acgnntggga aaatatcata agatatacct attttaaaac 60
agaatggaca ccctatatatt cagggctgtt gacaggcaca taagccctca cagtcagcta 120
gccattgatt ttcagagttt cttcatttac ttcaattatt gataaatatt caggattgct 180
agtaaatatg ttctttactc atgtgattcc tttaccatct ttttttagag gcattcagaa 240
gtccagtatt tcgacatgga acagataaga atggattcag cttgggtttc agtaaaaaca 300
tgcgacaagt ttttggtgat gagaagaagt actggttgct acccattttt tcaagtctag 360
gtgatggctg ctcctttcca acttgccctg ttaaccagga tcctgaacaa gcattctactc 420
cttgccagggc tgaattccac agcttaaaat ctcgaaaacc atnaagtttn ctgc      474
```

<210> 3189

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

## 2750

<400> 3189  
ggctngatgg gctgactttg actcanaggn atngttcgga tttggcatnt caaaacca 58

<210> 3190  
<211> 405  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (53)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (118)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (120)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (173)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2751

<222> (175)  
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<220>  
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<222> (190)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (195)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (246)  
<223> n equals a,t,g, or c

<220>  
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<222> (280)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (308)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (383)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (388)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (392)  
<223> n equals a,t,g, or c

<400> 3190  
gaacaaaana tggagagcta atttctgttc ctctttttgan nntgggttat gtnctagtga 60  
gaggttcac tgataaaaat caaatttcaa gtacaatatc acttttaaaa tatctaanan 120

## 2752

```
aaggatattc aataggaact ccattagatg gaccaaaagg accaaaagaa aangntaaaa 180
aaggactttt atatntatct caaaaaactt ctataccact tgttccagtt ggaatttcat 240
atagtnaaaa gtggatatta aaaaagactt gggataaatn tgagataccc aaaccttttt 300
aaaaagtnaa aatcttttta agtgaaccaa taacaattag tgataaagat gatttanata 360
aatatacaga aattataaaa ccnaaaanaa angcgggccg ttcta 405
```

<210> 3191

<211> 94

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<400> 3191

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gcagaactgt aatctgcgaa gatgaataaa caagcgaggt cactcttctg ggcatagaaa 60
atgctaccac gtggntaccg gntgaangan gnat 94
```

<210> 3192

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

2753

<221> misc feature  
 <222> (477)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (490)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (512)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (515)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (532)  
 <223> n equals a,t,g, or c

<400> 3192  
 gtttttagga attaagtcaa actaagggat angggcctga gtggaagagg ctttgccact 60  
 gaaatgacgt gcatgtggca gccgccggaa ccagaggaca tgcagccgcg tgcggagagt 120  
 gaggcggatc cattacgggc acacagctta ccatttcctt ccagaattcc ttcttccaaa 180  
 caagctatac tgaaatccct ctagtaaaag attgagacga aacactaata gttttgggcc 240  
 aaaacgtggt ggagaagttt gaaaagacaa acatagcaac gtgtcttttg ctatatggtt 300  
 ccttgccctc cagcaagctt gaaatataaa aaggctaaca tgcaaaacta ggggtactac 360  
 cccctcccc cagtttttaa aaagcaattt ccagaagcaa acacacaatg gttcgacttg 420  
 aagtgtcggc ataaccattc agtaagaaaa gctagaatag taaacctctt ttctggntgg 480  
 gctatttatn aaacctaata aacatcaagg ancgnactca aggatgaaac tnggcaatgt 540  
 gtggagccg 549

<210> 3193  
 <211> 99  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (13)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (24)  
 <223> n equals a,t,g, or c

## 2754

<220>  
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<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (29)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (31)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (96)  
<223> n equals a,t,g, or c

<400> 3193  
caaggagaaat ctncgctcac tacnngggna naatggccccg ccgagcaggc accggncccg 60  
aattccccggg ttgacccacg cgcttttcac ccgatngcg 99

<210> 3194  
<211> 140  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2755

<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (48)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (49)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (79)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (126)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (132)  
<223> n equals a,t,g, or c

<400> 3194  
ttnagaacgt nttncggcac gcgctgcggn tcctcattca cctgcacnnc aggggtggccc 60  
catctaagct ggaggcgtng caaaaggccc tggagcctac aggccagagc ggaataggca 120  
gtgaangagc tntactccca 140

<210> 3195  
<211> 461  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (7)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (153)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)

## 2756

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<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c



2757

&lt;400&gt; 3195

```
gcggacncgt gggggcggag gcagaggtgg ggctctctgg cagtggagtg ggtgctagag 60
gcaaaccctt cccctgcagc ctgcttggtg gtgatgttat gctgctgtgt gtccttccac 120
tgaggcaggg gcacaggtgg cctgggctag ganggctgag cagcagagtg ccgagggatg 180
gagggagagc ccccatggga gggtgccagg gggctggctg agcagctggg cgggggtccgt 240
gaggtaaaga ggtgcccggg ccagggggca ngagctctga tgtangacag ctcantccag 300
tcaanggggt ctatgaggac agcangggcc tncgagtctg ggggtggcctc acccccacaa 360
gcagtcctgg ctactcagcn gcactaccca taggggacnc ctgggcagtt tcttcaattc 420
ggtggcacat taacatcgnt tgaaactttg tnttttcttn t 461
```

&lt;210&gt; 3196

&lt;211&gt; 69

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (13)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (16)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (53)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (65)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3196

```
gctcttcact tnnatngatg ctttttagata tttggccctt atgtgggaag aanatattga 60
tctanaatg 69
```

&lt;210&gt; 3197

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

2758

<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (21)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (146)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (151)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (168)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2759

<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (240)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (241)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (247)  
<223> n equals a,t,g, or c

<400> 3197  
antnataaat caaaaaaatt ngggggggcc acccccggaa agggcttctt ttctggcctt 60  
gggcnaccaa gngcctcccc tcaaaccctt cccaagcttt caaccttatg gcccaagcca 120  
agaagggggaa gaaagccccc gaagtngcaa nggaagaaaag caagcanncc cgtggccccc 180  
aaccgggttc aagaaccnna aacccaaggt gccgcttccc ttggggggccc aaggncctn 240  
nattttnaag aagtggaaga accttgaaca acttg 275

<210> 3198  
<211> 146  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (2)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (3)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<220>

## 2760

<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (119)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (129)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (141)  
<223> n equals a,t,g, or c

<400> 3198  
tnntctatct tgcnaatccc gttcatantt aaagccagta cgctgcagg taccgggtccg 60  
gaattccccgg gtcgacccac gctttcggtt ncggttgccc cctcctgtgg actgngggng 120  
cccgtttgna tgagctcatg nagaac 146

<210> 3199  
<211> 100  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (4)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (40)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

## 2761

<222> (73)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (91)  
<223> n equals a,t,g, or c

<400> 3199  
ttgnaacccc gttaaagctt gtacgcctgc aggtaccggn ccggaattcc cgggtcgacc 60  
cacgcgtccg cncgcgttc gccacgcgt ncgccacgc 100

<210> 3200  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (346)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (366)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (399)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (445)  
<223> n equals a,t,g, or c

<400> 3200  
gcggaactcnt gggctgaaca ttagcaatgt ggtaagcact gcagtaggag ttttcacgtg 60  
tctactcatg taatcctcaa tgcaacctta aagataatgc aagtaccatt gctctcattt 120  
atggggtttgt gaatgctgag attaagaagg aatcgtgagt ctctacaagg ttggagactg 180

## 2762

taatgtgccc tgccctggctg gctctggcctt cacactctgc attgtgtgtg cagggagctt 240  
ctggacactc tgacgaggat ctggttacct ctgcacaaca cagaagacag gttgaggaag 300  
acggaaagct gaggggcttc ttcagggaaa aataatctca gcgtancatt cctgtaagcc 360  
tgtctncatc ttacttgaag ggacttgctt ggatttctnc aaatccatcg ttgtgttgtg 420  
ccaagncatg actatttctc tctgngataa a 451

<210> 3201

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

## 2763

<400> 3201  
nggtctagggt gtcgtccgag acncttagtn gnactcacat gggaaccnct nctatatatttg 60  
naagctggta cccctgcngg taccgggtccg gaatccccg 99

<210> 3202  
<211> 72  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (56)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (58)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (67)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (72)  
<223> n equals a,t,g, or c

<400> 3202  
ttaaaatcat gacatgacat acttttggaa tttagtcccc atatgctgac agatgncnaa 60  
angggtnat an 72

<210> 3203  
<211> 84  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (66)

## 2764

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<400> 3203

cccccggtcc ttttttttggg ggaaaaaaaa acccccctcc cttttttttg gggggaaaaa 60  
aangantaan ccccttcttt gggg 84

<210> 3204

<211> 70

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<400> 3204

gctnatgcaa ggtcannccc cttcctgggg gcctgggttaa tgtggatgag ngaaggcctg 60  
ggnccttg 70

<210> 3205

<211> 477

<212> DNA

<213> Homo sapiens

<220>



## 2765

<221> misc feature  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (65)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (98)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (109)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (137)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (140)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (165)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature

2766

<222> (177)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (199)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (212)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (213)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (261)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (302)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (310)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (318)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (365)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (369)

2767

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (373)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (375)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (381)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (408)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (410)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (434)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (475)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3205

```
ggcttcgntg tatttagtaa gcctttacaa gacttggttaa agatgtnatg agtgccccaa 60
gctgncgttc cttcccttcc tgncccacaa gctccttntc ctgaatttnc tacctaaata 120
ttaaccatat gcctagnctn tnaaactaaa aacttggacc tcatnctcaa ttattanctc 180
ctttcaactc tggagacct ctgtctggtc tnnctctaga aggttctacc gcataaattg 240
atntgtgctc cctgcccctg nactgcccac gcccgggcct gcacatactc actggactgt 300
tnccgttttn acagatgnca gtcttctctg cctttttcac actgcagctg aagttcaatt 360
acctnaaang acnnccttat ntttcatttc cttggctcca aacctttngn ttgcctctaa 420
gattaaagct caantttctt acagtgtaca gtgtgcaact tccaaccttt ttatntg 477
```

&lt;210&gt; 3206

&lt;211&gt; 559

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

2768

<220>  
 <221> misc feature  
 <222> (10)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (402)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (427)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (463)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (548)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc feature  
 <222> (558)  
 <223> n equals a,t,g, or c

<400> 3206  
 ggcaaatttn ctgtgcaagc tctaagtagc aggtggtatt tccttaatat attgtttttg 60  
 acctttgggg aaattggtat tacgagctga ctttggaaaa ttaaaatagc atcaaggtcc 120  
 tacatttttaa ataaaacaat cgatatctta atttttaaaa tcagactaga ttacgatacc 180  
 agggaaaagac atacatattt tgctttttatg tgttaaagtt ttgtaattca gggaggacaa 240  
 gaaaagggat atgggtgcagc tgaactttct aattcactaa gacaggaaaa aaggaaggaa 300  
 aaaatgtata tttttaagtt tcaattttaa cctttgctgg taactaaatg ctttgatatg 360  
 atcagtcata caaagagtta aattaagcat ggagctgttc anatggcaaa tctgcgttga 420  
 gctgaangta aaagacatct ggatttttca ttcatttgct cancagcact aaattttcaag 480  
 cttgtttttt tgttcagcat caaagaaaag ggtggtttat ggttatcgga ttttttttaa 540  
 cccacatntt tcatgaana 559

<210> 3207  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> (170)

## 2769

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<400> 3207

```
tcaaaaat tttt tggctgtgtt cttgaatact atagcttacc ccaagaggac ttgtggggaa 60
caagaatgag aggggtgaact agaaagaaaag gtgattaggc attgtccacc ccaaaaagcaa 120
ctcctctaac aaaagaagga gcttagagca gtttccatgg agaggaggan tggctgttta 180
tcatggctgg ccctntcatt agctcattac caaaaaacct caagggaaca actaanaaaa 240
gggttttggga ttaaaatctg tttaaagaaa tatccggaaa tagggtttcc cataaaaaacc 300
ttgccccattt tttctaaaat ctgatttttt tccttntttt taaccataa atttttgggt 360
ttattcntac atatnctggt attttgacnt cttttggcca aaaaataaaa 410
```

<210> 3208

<211> 170

<212> DNA

<213> Homo sapiens

## 2770

<220>  
<221> misc feature  
<222> (5)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (12)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (93)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (101)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (103)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (138)  
<223> n equals a,t,g, or c

<400> 3208  
cttgntgact tnctcggaaa taccnctact atagggtaag ctggtacgcc tgcaggtacc 60  
ggtccggaat tcccgggtcg acccacgcgt tnncggacgc ntngggtgaa aagctcctta 120  
gccctggggc ttgagggngg aaaggggtag ggtgggtaag agtccatgga 170

<210> 3209  
<211> 64  
<212> DNA  
<213> Homo sapiens

<220>

## 2771

<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (60)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (62)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<400> 3209  
gcggaacgcnt nggcaagatc tacgaagaga gatagatcta ccgaagagag atagattttt 60  
annc 64

<210> 3210  
<211> 62  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (42)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (50)

## 2772

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 3210

gcaaataagn tatcaacccc agactatttg ttgacatgg gncaatnttn agaatatntt 60

gg 62

<210> 3211

<211> 80

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<400> 3211

ggtcttcttt aggtagcaga ggtgcagagg aggagtttag atgacntttg anacctcant 60

catnaaggcc tacagaatnt 80

<210> 3212

<211> 74

<212> DNA

<213> Homo sapiens

<220>



## 2773

<221> misc feature  
<222> (10)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (64)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<400> 3212  
gcttctgagn taggagaact tattccacct tcaaaaccta gtttgggctg ggtgcagtgg 60  
ttnnactaat ncca 74

<210> 3213  
<211> 385  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (19)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (20)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (34)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (85)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (92)

2774

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

2775

<220>  
<221> misc feature  
<222> (250)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (258)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (263)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (269)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (271)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (274)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (305)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (311)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (326)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (348)  
<223> n equals a,t,g, or c

## 2776

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<400> 3213

```
cttgctatag ctctgagcnn gtactcccg c aggnacccgt ccggaattcc cgggtcgacc 60
cacgcgtccg cccacgcttt tegantacta tncctttacag ggaaaaaann gggctgttgt 120
gggcataccta tgcagaanca tatttncgct nggttcgaaa gattatgatg catcagctct 180
ctagcaaatac ttctttgntt ctttttacag cattgncctt gcttgnaccn ttngctgatg 240
gctgctagan tttaaatnta tcntgatcnc ntanttgata atattagtga ttccgatttc 300
agctntcatt ngctatgctt ttgctnattt ctcatgtaac atttggtnaa cgattccagg 360
aatatngaca cataggtggg aataa 385
```

<210> 3214

<211> 90

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<400> 3214

```
gntctgtctg tattattatt cacctataat tagncattat gagataatga taatacagtn 60
ggatagtaaa gnttataata tataaatnga 90
```

<210> 3215

<211> 91

<212> DNA

2777

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (12)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (47)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (50)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (57)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (74)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3215

gaaactatta cnttgtaaga actctgccta tgcttgctaa atatagnngn gaattantgg 60  
tttactaaaa taancaggaa gaggggaaaa a 91

&lt;210&gt; 3216

&lt;211&gt; 413

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (39)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (413)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 3216

gttttcatct atcttggcag gaagtgcgta tgcgacatnt aagattgaga catcaaaaat 60  
tcacagcatg agcagattgt ttacagatgg ggtaactaaa aacaatgagg taaatgtggg 120  
tgcctctggg aaaaacactg gaggcattgg aaagggttgg gttgggggcc tgttgttttt 180  
tgcattcgcc cccttgagtt catttgttct ttcattctaac agacacttac tgtttgccaa 240

## 2778

acacatgtaa atgaaacgac tttactgaag atttgaggac gtgagatatt ttctgtcacc 300  
acagtgccag attttaaatt gaatattaga gaaacttggt cttaaaactt ttgtctaggc 360  
actttatgcc aaccatgttg ctaccctctt ctctccgtcc tttacattc ttn 413

<210> 3217

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2779

<222> (136)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<400> 3217  
aggangctta anttatctta nnnaaacttc tgactatagt taaagctggt acccctgcag 60  
gtaccgggtcc ggaattcccg ggtcgaccca cgcgtccggt acctctctgc caagtttggt 120  
ggaaaaanngg ncaaaanttna aaaaat 146

<210> 3218  
<211> 55  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (15)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (17)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (28)  
<223> n equals a,t,g, or c

<400> 3218  
gacctctact atagntnaag ctggtacncc tgcaggtacc ggtccggaat tcccg 55

<210> 3219  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (18)  
<223> n equals a,t,g, or c

## 2780

<220>  
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<222> (23)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (27)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (39)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (115)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (147)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (158)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (167)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (172)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (235)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (243)  
<223> n equals a,t,g, or c

<220>



## 2781

<221> misc feature  
<222> (244)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (254)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (259)  
<223> n equals a,t,g, or c

<400> 3219  
tagcccangc tgggacgnct gcnggtncgg gtccggaant cccgggtcga cccacgcgtc 60  
cgccacacagc gtcctggaat ttttttcttt tgaaagctat gtaggtggac tttgngatta 120  
tgtaagcata aagctaattgg gattggnggg agccccanct gagagcnggc angtgctgga 180  
caatcttctc tcagccttgc tctgctaattg tctccctggg tgtaggctgg cctcntgctg 240  
ctnntgttat gcancacanc aagataactg cctgctg 277

<210> 3220  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (309)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (343)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (357)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (370)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (375)  
<223> n equals a,t,g, or c

2782

<400> 3220  
gctggcctgt ttttataact ttatTTTTca aatattaaca accactgctt tcagagtggg 60  
tattttgtta tttttgaagc aggaaataac catttgtatt tgcacctgcg tattgcatat 120  
gaattatggg atacttggca aatgcttttc ttttacctgt gaaaattctg aaagctgggc 180  
caagctacat tgcataccaa attgtgctct tatatattat ttgcatcgtg tccttttttaa 240  
tcaaatagca tgttttagtt ttattatagt aagctttttg ctgtaagaat ggcacttgct 300  
taacctttna atggaccttg gaatctttaa attattgctt ttnaacattg gtaattnaaa 360  
ccaaaattcn atttncgtaa tt 382

<210> 3221

<211> 142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

## 2783

<222> (135)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (139)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (142)  
<223> n equals a,t,g, or c

<400> 3221  
acncccantt gaaaccccnc actcattnn gggaaagctg gcacgcctgc aggtaccggt 60  
ccggaattcc cgggtcgacc cacgctttcg caggagtctg ccacttgtca aagaaggngt 120  
tnatcctgag tcttnccant cn 142

<210> 3222  
<211> 679  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (9)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (41)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (458)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (459)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (461)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (480)

## 2784

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (604)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (652)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (672)

<223> n equals a,t,g, or c

<400> 3222

gaatttgcnt	taaggctcagc	tagcatcctg	ctggcaagcc	nctgcatagc	atattgtgata	60
agaaggacca	actctaggct	caatatgaag	ggatttagtt	ctgtaagcag	caaaaaagct	120
tctttatcaa	gtcatcttac	ctctaattct	tttccagtgt	gccaaactcca	aagtcaacat	180
taaaaatgta	aatggacctg	tgtaaatata	acagagagct	tttccttata	catctcaatg	240
ctgagagtta	aaatattccc	agggttaaaat	tttttttaaag	taccaataat	agagctaaat	300
acaatgacat	ttgcttttaa	aagggtggata	ttttatttct	gcttttttgaa	aatactttatt	360
tagtattgac	ttggaagcca	atattgggtcc	tttaataagt	aaagaaaata	atatgttttaa	420
aaatgtaaat	gttttacaaa	ttttgaaact	ttcataanng	nattaatcag	aaaacaagcn	480
cattgccatt	ctttgaaact	catgtttcta	gacatgacag	cangtcaata	aaaggatgaa	540
aacaagtgtc	ttcactaagc	cgtattggnc	aataaatggg	acccaaacgt	tcaatctgtt	600
caanttacca	aagggttcaa	aaatacgtaa	tttagcangg	aaacctttca	tnccagtggc	660
tatcccagnc	cncacattc					679

2785

<210> 3223  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (11)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (38)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (363)  
<223> n equals a,t,g, or c

<220>  
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<222> (420)  
<223> n equals a,t,g, or c

<220>  
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<222> (426)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (442)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (488)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (491)  
<223> n equals a,t,g, or c

<400> 3223  
gccccacgcgt ncgattgggt ctttagcctt atgaattnga gctgcttatt taattggtgt 60  
aatttactac atattagtac tatattcgta aggattttttt attaaccatt acagattttta 120  
caaacagcta gttatatgggt aaacagatta ttatgccttt ttgcaattct gaatatgatt 180  
ctagtattttg tgtagatgta tttggtactt tttcccctaa ttccaacact agtttatata 240  
tatagcggaat aaatctagtt gtataaattt ttaaattgccg tcagtagaaa gcacacaagg 300

## 2786

ttatgatttt ttttaattact ggcttctgat ttcttttcaact tctgatacctt ttcttttttct 360  
canatgtagc tgagtcttga tcattttaag acaacgatgg gtagaatttg agaataatgn 420  
taattntcct tttgtaattc anccctttac tatgctttgc cagaagatca gaatctccat 480  
ccttgggnntt nggataacca tgt 503

<210> 3224

<211> 105

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<400> 3224

nacctggata acccgntctc gaagggggcgg cggcagcggc aagcggagga ggcggaggcc 60  
tgngagggggg cctgngaaaaa gggctnggaa ggcctgaaca gnggg 105

<210> 3225

<211> 111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

2787

<222> (44)  
<223> n equals a,t,g, or c

<220>  
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<222> (50)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (51)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (83)  
<223> n equals a,t,g, or c

<220>  
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<222> (89)  
<223> n equals a,t,g, or c

<400> 3225  
aaggccccca gcaggtaccg gtccggaatt cccgggtcta ccncgcgtn nttttaagcc 60  
ctataacaag ctaaaaaaca ggncaactnt aaacgaaaac cccgaaaact a 111

<210> 3226  
<211> 252  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (63)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (71)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (73)  
<223> n equals a,t,g, or c

2788

<220>  
<221> misc feature  
<222> (81)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (108)  
<223> n equals a,t,g, or c

<220>  
<221> misc feature  
<222> (110)  
<223> n equals a,t,g, or c

<220>  
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<220>  
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<223> n equals a,t,g, or c

<220>  
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<222> (133)  
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<220>  
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<222> (142)  
<223> n equals a,t,g, or c

<220>  
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<222> (143)  
<223> n equals a,t,g, or c

<220>  
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<222> (148)  
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